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ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
OF THE
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1964.



HON. JOHN F. COLLINS, *Mayor*
JAMES W. HALEY, *Commissioner of Public Works*
FREDERICK L. GARVIN, *Engineering Division Engineer*
CHARLES MARTELL, *Highway Division Engineer*
JOHN F. FLAHERTY, *Sanitary Division Engineer*
EDWARD G. A. POWERS, *Sewer Division Engineer*
EDWARD PINKUL, *Water Division Engineer*

PUBLIC WORKS DEPARTMENT

1964 ANNUAL REPORT

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PUBLIC WORKS DEPARTMENT

FOR THE YEAR ENDING DECEMBER 31, 1964

Boston, January 2, 1965

HON. JOHN F. COLLINS,
Mayor of Boston.

DEAR MR. MAYOR:

In compliance with the provisions of Section 25 of Chapter 3 of the Revised Ordinances of 1961, I respectfully submit herewith the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1964.

No function of municipal endeavor is so manifest to the tax payer and the visitor as Public Works. It involves the construction, maintenance and operation of an elaborate system of highways, sewerage, water distribution, and sanitation including the collection and disposal of solid wastes, and street cleaning. The expenditures to carry on this work amounted to \$27,917,263.00 in 1964.

ORGANIZATION

In 1960 a major reorganization of the department was undertaken involving the ratings and duties of over one half of all department personnel. These changes are now substantially completed allowing an overall reduction in personnel of over 20 percent. Much has

been accomplished; much remains to be done. Future progress will depend primarily on the city's ability to establish and carry out a higher calibre personnel management program particularly in recruitment training and supervision of employees. For years prior to 1960 the department has drifted along according to methods and practices laid down in the 19th century. The policy of the department is to set up a straight line, centralized, staff organization; a complete job classification with clearly designed duties for each position; on the job training for promotions; and school training of personnel including that on a college level.

PERSONNEL

As of December 31, 1964 there were 1,364 permanent employees in the department. This compares with 1,625 employees on December 31, 1960 and 2,441 employees on December 31, 1950. The problem of obtaining replacement employees, particularly in the engineering field, is acute and presents a serious problem. With the competition from industry, and the wage differential in State and City salaries we are unable to employ qualified engineers and engineering aides.

CENTRAL OFFICE

The Central Office is composed of three sections: an Administrative Branch in the charge of an Administrative Assistant, a Maintenance Branch in the charge of the Director of Transportation, and a Permit Branch in the charge of a Supervisor of Permits.

The Administrative Branch is the centralized unit for processing purchase supply requisitions, service orders, payrolls, personnel requisitions, for employment transfers, promotions, and terminations. Records and files are maintained and services to the Public Improvement Commission are supplied as required.

The Maintenance Branch provides for the custody, care and repair of departmental automotive equipment; supervision and maintenance of all department automotive equipment; the supervision and maintenance of departmental property; the operation of shops; and the

operation of a two-way radio station on a 24-hour basis. There were 484 automotive units in the Public Works Department, plus 23 trailers, transports, sewer rodders, etc. Approximately 10,000 repair jobs were performed. An inventory value at approximately \$50,000 is maintained. A closed circuit teletype system and base radio is maintained with ten stations, which link the various district yards and vehicles. New equipment in the amount of \$233,196.99 was acquired through budget appropriations; plus \$98,546.68 from snow appropriations; and \$7,750.00 from Civil Defense Loans for 10 two-way radios.

THE PERMIT BRANCH

The Permit Branch is the centralized unit for issuing departmental permits and receiving receipts for departmental fees and services. Cash receipts for permits for signs, street openings, licenses, sewer inspection fees, dump tickets, contract books, engineering inspection fees, and miscellaneous amounted to \$345,155.33. Committed accounts for rentals, hydrant use, towing, engineering reproductions and damage to property amounted to \$25,786.87. Deposit accounts for water deposits and street opening accounts amounted to \$597,047.33 with a grand total of \$967,987.53.

Receipts showed an overall increase of over 40 percent. Fewer licenses were issued in 1964 but due to an increase in fees there was an increased revenue. The Permit Branch is setting up a system of issuing projection permits via the Data Processing unit.

ENGINEERING DIVISION

This Division is composed of four sections as follows: Administration; Planning and Programming; Survey; and Design. Surveys, plans and specifications for public works were advertised involving street reconstruction in 164 streets and a length of 24.5 miles at an estimated cost of \$2,730,000; street reconstruction under Chapter 90 of the General Laws involving 7 streets and a length of 3.2 miles at an estimated cost of \$508,000; street construction under Chapter 393 of the Acts of 1906 involving 19 streets and a length of 1.7 miles at an estimated

cost of \$400,000; street construction in redevelopment areas involving 10 streets and a length of 0.7 miles at an estimated cost of \$244,000; sewerage works involving 10 contracts estimated to cost \$854,000; water works involving 5 contracts estimated to cost \$231,000; sewerage and water works in non-redevelopment areas involving 7 contracts estimated to cost \$516,300; sewerage and water works in redevelopment areas involving 2 contracts estimated at a cost of \$187,500; and miscellaneous contracts, 5 in number, estimated to cost \$508,000, for a grand total of \$5,670,800.

ADMINISTRATION

The Administration Section performs the duties of carrying out the functions of the division. These duties consist of the usual office procedures; preparing contract stencils, processing municipal lien certificates, processing and indexing plans, mimeographing work and preparing betterment assessment information.

Planning and Programming Section: The Planning and Programming Section prepared the highway, water and sewer programs for the Public Works Department. This section, with the support of the other sections of the Engineering Division, performed services as directed by the Public Improvement Commission. During the first six months of 1964, the Section Chief assisted the Division Engineer who served as the Public Improvement Commission Engineer. In this capacity he furnished professional advice relative to interpretation of plans, land taking, specific repairs, widenings and other improvements ordered by the Commission.

In connection with the various programs, this section maintained liaison with the Mass. Dept. of Public Works, City of Boston Traffic and Parking Dept., Fire Dept., Police Dept., Sewer, Water and Highway Divisions and all public utility companies.

Upon receipt of plans of the Boston Extension of the Mass. Turnpike, this section reviewed and/or coordinated the plans with other city departments and divisions and, where applicable, with the Boston Redevelopment Authority. Close liaison with the con-

sultants (Howard, Needles, Tammen and Bergendorf) for the Mass. Turnpike Authority was maintained throughout the year. The Planning and Programming Section assisted the Division Engineer in making recommendations concerning approval of the plans to the Commissioner of Public Works.

The Planning and Programming Section served as a coordinator between the City of Boston Public Works Department and the Boston Redevelopment Authority and its consultants on matters of mutual interest concerning the various redevelopment projects in the "New Boston".

Public Utility Companies plans for proposed construction in city streets were reviewed by this section and appropriate recommendations relative to approval were made to the Division Engineer.

Survey Section: This section made 47 surveys and plans for the laying out of 4.4 miles of public highways; 177 surveys and 216 plans for reconstruction of 41.0 miles of highways; four major surveys for reconstruction of an additional 1.2 miles of highways; 6 surveys and plans for discontinuance of 0.25 miles of highways; 40 surveys and plans for the taking of 3.78 miles of sewerage easements and betterment plans; 4 profiles for highway construction; 9 surveys and plans for minimum specification pavements, involving 0.97 miles; 6 surveys and plans for specific repairs and widenings (Chapter 90) involving 2.9 miles; marking line and grades; 11 surveys and plans for specific repairs; and surveys for engineering reports. In addition a topographic survey was made for the Library Department and one for the School Committee. Two surveys and plans were also made for school purposes.

Design Section: The Design Section, under the supervision of an Associate Engineer performed the following work:

Prepared all plans, estimates, specifications and contract forms relating to the design and construction of highway, bridge, sewer and water facilities, in accordance with departmental programs.

Prepared designs, plans and specifications required in connection with proposed structures and appurtenances to be constructed by the operating divisions of the department.

Designed grades, in connection with the construction and reconstructions of highways and sewers.

Checked all plot plans submitted to the Building Department, prior to the issuance of building permits, to determine if the same are approvable with regards to grades and availability of sewer and water facilities.

Checked proposed construction over existing sewers, to determine if same is structurally sound and approvable.

Made tracings of all survey plans, plots, street layout plans, easement plans, assessment plans, etc., prepared by the Survey Section.

Prepared and traced various maps, plans, charts, etc., required for general purposes in the operation of the department.

Made estimates and preliminary plans for the Public Improvement Commission, relating to proposed sewer, water and street betterments.

Checked plans and specifications of, and consulted with, various engineering firms regarding sewer, water and highway construction for the Government Center, Prudential Center, and the Washington Park Project.

The major accomplishments of the Design Section in 1964 consisted of completing the necessary designs, estimates, construction plans and specifications for 46 public works contracts which were advertised in 1964, involving street construction and reconstruction and sewer and water works installations.

Work related to the foregoing included:

Completion of 192 construction plans for highway projects.

Design of 70 sewer grades.

Layout and tracing for 60 water works installations.

Other work included:

Review of approximately 775 plot plans for the Building Department.

30 street grades designed.

27 tracings of street layout plans.

122 tracings of specific repairs, widenings and relocations.

20 tracings of sewer easement and assessment plans.

15 tracings of miscellaneous sidewalk and street assessment plans, discontinuances, and land plans.

41 approval plans reviewed and checked.

45 streets designed for catch basin locations.

Preparation of miscellaneous charts, maps and plans for other divisions and departments.

34 estimate reports furnished in connection with proposed sewerage works.

20 estimate reports furnished in connection with proposed street developments.

34 sewerage works reports of proposed construction sent to M.D.C.

Investigation of 8 major drainage areas:

| | |
|-------------------------------|--------------------|
| Washington Park Redevelopment | Burton Street Area |
|-------------------------------|--------------------|

| | |
|---------------------|------------------|
| Spring Street Brook | Dorchester Brook |
|---------------------|------------------|

| | |
|--------------------|-----------|
| Strong's Pond Area | South Bay |
|--------------------|-----------|

| | |
|----------------|--------------|
| Maywoods Brook | Myopia Brook |
|----------------|--------------|

Reviewed plans and layouts of sewerage and water works for 6 B.R.A. redevelopment areas.

Reviewed plans and layouts for various sections of the Mass. Turnpike.

Reproduction and Photographic Unit: This unit supplied blueprints, ozalid prints, autositives and photographs for the department and other departments. 26,780 photostats; 483 blueprints; 47,085 ozalids and 197 autositives were made. 4,201 photo negatives were made; 368 4" x 5" prints and 4,095 8" x 10" prints were produced.

HIGHWAY DIVISION

The functions of this Division are performed by four sections: Administration, Construction, Maintenance and Street Lighting.

The Administrative Section performed the routine clerical duties of the Division, including preparation and processing of correspondence, initiating supply and service requisitions and the preparation of contract payments.

The Construction Section supervised the construction and reconstruction of 149 streets at a contract price of \$2,431,595.15. In addition the construction or reconstruction of 54 streets, to be completed in 1965, was contracted for, at contract price of \$991,486.65. Chapter 90 projects involving 7 streets were completed at a contract price of \$479,998.75.

The Maintenance Section made repairs and flushed and cleaned 750 miles of streets, cleaned 3,645 catch basins; maintained and operated 7 drawbridges and 50 fixed bridges.

The Street Lighting Section supervised the installation of 927-3,500 lumen lamps; 255-7,000 lumen lamps; 98-11,000 lumen lamps and 102-20,000 lumen lamps. During the year there were approximately 240 gas lamps in the city and 12 were installed. Maintenance was provided for 97 police spotlights.

SNOW REMOVAL

Snow removal for the year 1964 accounted for an expenditure of \$1,030,791, which created a deficit of \$260,189.

A storm on January 13-14 deposited 9.2 inches of snow and one on January 28, deposited 4.5 inches. On February 16 a storm deposited 7.4 inches, followed by another storm on the 19th which added an additional 9.1 inches. The storm of the 16th was accompanied by sleet which further complicated the task of keeping the highways open and safe; and for periods traffic was snarled. March was the second least snowy month in nine years, but a sleet storm developed on March 10, which continued steadily for eleven hours and caused an accumulation of 2 inches. Maintaining traffic under these conditions was an expensive challenge.

In December a major ice storm developed on the 3rd and continued until the 6th. Streets and sidewalks were persistently very slippery. During the year department personnel spread 19,000 tons of salt and 3,500 tons of sand to keep the highways safe. A policy change will be noted, in that as far as possible, unmixed salt was used, during the year. Results were satisfactory.

A marked improvement in the parking situation was noted, due to the splendid cooperation of the Police Department and the Traffic and Parking Department. All night parking, however, will continue to be a major problem in snowplowing and removal operation. Since the majority of residences were constructed before the use of motor vehicles became widespread, it is only through the cooperation of the motor vehicle owner that

highways in Boston can be kept open to public travel during the winter season. Resort to towing will have to be maintained, but will be held to a minimum.

WATER SHORTAGE

An acute drought developed during the year. In March a deficiency of precipitation amounted to 0.74 inches, followed by 0.08 inches in April; 2.81 inches in May; 1.57 inches in June; 1.88 inches in August; 0.81 inches in September; 0.32 inches in October; and 1.75 inches in November for a departure from normal in these eight months of 9.96 inches. The other four months showed a surplus above normal of 3.53 inches for a net loss of 6.43 below normal. Total precipitation amounted to 36.41 inches.

The effect of this shortage was felt by the Metropolitan District Water Division in that the Quabbin Reservoir, on December 31, 1954 contained 299 billion gallons of water, which is 80 percent of the normal seventeen year average of 412 billion gallons. The thirty member cities used 85.886 billion gallons of water for the year ending June 30, 1964, and the non-member municipalities used an estimated 8.146 billion gallons for a total drain of 94.032 billion gallons. The supply of water is adequate for the district, but if the present trend of drought continues to the middle of May 1965, emergency measures may be required to augment inadequate supplies of non-members and wholesale use of water may be restricted.

The picture in the water distribution system is not as bright. During the summer months complaints were received of low water pressures in sections of West Roxbury and Hyde Park. Although May was the 5th driest in 146 years, July rainfall was about average, and the August precipitation was off by 50 percent, it should be remembered that we had the coldest August in 61 years which reduced water use. If the summer of 1965 is dry and hot, reductions in water pressures may be expected, and restrictions in water use may be required in Boston. It is intended to inaugurate an engineering study, and take remedial action by cleaning several large feeder mains and relining the same with cement linings.

SANITARY DIVISION

The Sanitary Division is charged with the responsibility of the collection and disposal of the solid wastes of the city. The work is carried out through the medium of three sections—Administrative, Collection and Disposal.

ADMINISTRATIVE SECTION

Program 1 — Administration

The activities of the Administrative Section comprised supervising the various functions and operations of the division, the preparing of all contracts, the processing of payments, the processing of reports, correspondence, violation notices and complaints (complaints were written, telephoned, and in person) and compilation of inspectors' reports and daily reports on the Collection and Disposal Section's performances, investigating and processing applications for permits for the transportation of refuse, the preparation of the budget, acted as liaison with Administrative Services Department and with Northeastern University on In-Service Training Programs for departmental personnel, and the supervision of the Snow Emergency Center.

COLLECTION SECTION

Program 2 — Refuse Collection Contracts

New refuse collection contracts were awarded to eight contractors in eleven districts effective April 1, 1964, as a result of competitive bidding. The yearly contract price for these contracts is \$2,403,841.80, an increase of \$258,433.00 or 12 percent over the 1961 bid prices for the contracts which expired on March 31, 1964. While efforts were made to keep the cost of this service to a minimum by reducing the number of collection districts from 13 to 11 by consolidating the Boston Downtown and Boston Uptown into one Boston Proper District and reducing the work week in that district from six to five days per week, and by combining the Roxbury and Parker Hill Fens Districts into one Roxbury District, a 12 percent increase in cost resulted from wage increases to the contractors personnel of 26 cents per hour going

from \$2.60 per hour in 1961 to \$2.86 per hour in 1964 or an increase of 10 percent, and including in the contracts for the first time the requirement that the contractors in the incinerator districts haul separately collected bulk refuse to the Gardner Street dump. A total of 236,341 tons of refuse was collected and disposed of during the year.

Program 3 — Alley Cleaning

An alley cleaning program was carried out in the South End and Lower Roxbury districts by providing daily cleaning of the alley heads and weekly cleaning of approximately six miles of alleys within this area. In December, we commenced using packer type trucks in this operation. Approximately 5,200 tons of refuse were removed during the year through this operation which has proven satisfactory as evidenced by the absence of complaints from this district.

Program 4 — Litter Baskets

The number of litter baskets on location was increased during the year from 685 to 936. Ninety-seven of the sidewalk type baskets are used in the Downtown District, and 839 pole type baskets are installed throughout the city in locations where there are accumulations of pedestrian litter. The number of sidewalk baskets were reduced from 301 to 97 and replaced with the smaller pole mounted baskets because of the tendency in some locations to use the sidewalk baskets for depositing household and commercial refuse. These baskets are emptied by the refuse collection contractors on Mondays except in the Boston Proper District when they are emptied on the regularly scheduled collection days, and are also emptied twice a week by three departmental night shift crews using packer type trucks; these activities provide approximately 155,000 servicings during the year. Six aluminum pole baskets with a locked bottom drop have been fabricated and installed in School Street and Beacon Street for a trial run early in 1965. It is planned to increase the number of litter baskets on location in 1965.

Program 5 — Market Cleaning

Under this program, the division provides two packer type trucks on Fridays and Saturdays servicing push cart peddlers and storekeepers in the Market area in the vicinity of Blackstone Street, removing approximately 2,060 tons of refuse during the year and depositing it at the South Bay Incinerator.

Program 6 — Abandoned Vehicles

The removal and disposal of abandoned vehicles from the streets and vacant lots throughout the city, taken over from the Police Department in June of 1963, was continued throughout the year. Two thousand eight hundred thirty-four vehicles were removed and disposed of, most of this work being done under a contract with the J & L Iron Company. The price for doing this work was reduced from \$8.00 to \$6.00 per car by providing the contractor with an operations area to the rear of the Public Works Garage on Albany Street. This contract work was supplemented by departmental labor force and equipment during the spring clean up season because of the exceptionally large number of abandoned vehicles occurring at that time.

Program 7 — Enforcement and Education

The squad of uniformed Sanitation Inspectors (formed in 1963) served 5,676 violation notices to property owners or householders observed violating sanitation laws, particularly in the manner of placing out refuse for collection. In only 31 cases was it necessary to request the Police to bring flagrant violators into court. This activity has resulted in the householders providing hundreds of new barrels in the areas in which this activity has been concentrated and reduced appreciably the amount of littering in the streets.

To supplement the work of the uniformed inspectors, and to obtain the cooperation of the residents, we conducted two anti-litter campaigns. An advertising agency was engaged to provide assistance and advice in public relations and to prepare the art work and assist in obtaining the cooperation of the various communi-

cations media. Two campaigns were conducted, one in the spring with the slogan, "Keep the New Boston Bright and Shiny" and the other in the fall with the slogan, "Help Keep Boston Clean." During these campaigns, signs were posted on the sides of all Public Works automotive equipment and decals placed on all the litter baskets. Car cards and posters were placed on MBTA equipment and subway stations, courtesy cards were placed in store windows, and posters were also placed on billboards. Some publicity was obtained from the newspapers; a radio jingle was used by radio stations in the Metropolitan Boston area; and four films were printed and used by the three local television stations during station breaks. In addition, signs warning of a \$50 fine for littering were printed and erected by the Traffic Commission in locations where there are large amounts of illegal littering. Advertising space and air time, estimated to have a value of \$128,000 per month, was contributed to the city, without charge, and the total cost of this campaign was \$9,345.

DISPOSAL SECTION

Program 8 — South Bay Incinerator

The South Bay Incinerator received and disposed of a total of 149,794 tons of refuse during the year from a population of approximately 464,000 people, or 66 per cent of the population of the city, at a cost of \$803,361 which represents a unit price of \$5.36 per ton of refuse burnt. This operating cost was \$180,000 more than in 1963 because of increased labor costs due to the necessity of reverting to a 20 shift week caused by shutting down furnaces in order to rebuild the bridge walls and the grates on the furnaces, and the necessity for hauling the residue to Gardner Street dump when nearby disposal areas were no longer available. As this plant gets older, the maintenance cost, particularly on refractories, will accelerate.

Maintenance work performed under the contract for repairs or alterations beyond the scope of the plant maintenance force included replacing the structural steel supporting the bridge walls and the furnace grates,

the steel work being redesigned to prevent future bridge wall deflections and collapse; realignment of the crane rails; replacement of all the hydraulic pumps; repairs to steam and water lines; mechanical repairs on the cranes; repairs to the heating system; installation of an electric hot water heater; reconditioning the traps, piping and expansion joints on the steam line to the hospital; repairs to ruptures on the exterior shell of the Ric-Wil steam main; and repiping the boiler feed water supply to provide emergency feed from either end of the building in case of water service failure at one end.

The regular maintenance force of the plant, in addition to routine maintenance, replaced 15 dumping grate operating hydraulic cylinders, which relocation of the cylinders, outside the furnaces was done to prevent the burning out of the packing and the loss of considerable amounts of hydraulic oil; performed minor refractory patching and repairs; worked rebuilding the grates by removing them from the furnace, taking out the worn parts and replacing with new parts, while the maintenance contractor was doing the structural steel work; rebuilt two of the crane buckets; and relocated one of the charging gate hydraulic cylinder operating mechanisms, which has proved successful in eliminating the loss of excessive amounts of hydraulic oil, and this alteration will be made on the remaining charging gates next year. Considerable assistance was rendered by the Water Division machine shop in machining parts for repairs or replacements in the plant equipment.

The work performed under a contract for providing refractory repairs included the rebuilding of five bridge walls, replacing a large section of the roof of the number 5 furnace and making numerous other repairs to refractories. Recent failures indicate the need for renewing the suspended arches in all six furnaces.

A 40' x 30' metal storage building was constructed in the space between the stacks in the rear of the plant and a storeroom with racks was completed so that parts and other supplies can be properly stored.

A considerable number of burnouts of crane motors was experienced and investigation indicates that failure resulted from malfunctioning of the collector shoes which are being redesigned to eliminate this problem.

No steam was transmitted to the hospital because all the steam that could be generated burning rubbish was required to operate the turbine driven induced draft fans which must be used when the fly ash collectors are in operation. To eliminate this demand would require motorization of 18 pieces of steam driven equipment at a cost of \$100,000. At a meeting with hospital authorities concerning this problem, it was decided, instead of a study by a consulting engineer, to make another effort on our own to determine the ability of the incinerator to meet an appreciable part of the hospital steam demand, and the resulting savings in the cost of fuel oil at the hospital in order to arrive at a decision as to the advisability of motorizing the incinerator steam driven equipment or to abandon any future attempts to transmit steam to the hospital. Due to the amount of work required to rehabilitate the steam main, full scale transmission of steam did not commence until near the end of the year and will be continued into 1965 in order to accumulate the required data.

A heating and ventilating engineer was engaged to prepare plans and specifications for alterations to and additions to the ventilating system at the incinerator in order to eliminate or substantially reduce smoke and dust which have caused poor working conditions and a health hazard to personnel in parts of the plant. Preliminary plans were submitted and approved in November, and the final plans and specifications will be ready in January, 1965.

In July, the available dumping area for incinerator residue in a part of the Reserve Channel was exhausted and a contract was entered into for the transportation of residue from the plant yard to the Gardner Street dump, to be used as a part of the dump cover. Approximately 22,000 tons of residue was hauled during the last 5 months of the year at a cost of \$0.97 per ton.

Program 9 — Gardner Street Dump

The Gardner Street dump was operated as in former years as an open fill with earth or incinerator residue cover for the disposal of 338,824 cubic yards or 69,847 tons of rubbish from Area 2. Cover material at this site, above the ground water table, has been exhausted and consequently we had to purchase 22,300 cubic

yards of cover material which was used up at the end of July. Starting in August, and for the balance of the year, incinerator residue, hauled under contract, was used for cover material at this site.

In January, we were requested by the State Department of Public Health to prepare plans to operate the Gardner Street disposal site as a Sanitary Land Fill, and subsequently we engaged the services of Camp, Dresser & McKee to prepare a Manual of Operation for the Gardner Street Sanitary Land Fill. This manual was approved by the State Department of Public Health and it is planned to commence operating a Sanitary Land Fill as soon as the necessary equipment and funds for cover material are available. This will increase the operating costs at this site by approximately \$100,000 annually. The cost of operation for 1964 was \$81,873, and the income from dumping fees at this site was \$9,580 from licensed private collectors and \$17,029 was deducted from the payments to city contractors for the disposal of commercial refuse collected in Area 2, but outside of their contract districts, for a total income for the year of \$26,609. A municipal incinerator should be constructed at this site as soon as possible in order to conserve the remaining dumping area for the disposal of incinerator residue and material not suitable for incineration. Unless the Commonwealth provides disposal sites for the aforementioned materials, the disposal of residue and non-burnables will soon become acute and very costly to the city.

Program 10 — Saugus Dump Rental

The disposal of refuse from the East Boston district was continued during the year at the privately owned Saugus dump. The last renewal contract with the M. DeMatteo Construction Company, at a cost of \$2,000 per month expired on March 31, 1964, and a new contract was entered into with the same company at a price of \$2,500 per month with renewal options for a second and a third year with increasing monthly prices. This is the only site readily available for the disposal of East Boston rubbish, and due to the actions of the State Department of Natural Resources in restricting an area of marsh for the disposal of refuse at this site,

and the desire of the State Department of Public Health that the operation be conducted as a Sanitary Land Fill, will accelerate the cost of disposal at this site considerably over the next few years. Approximately 65,500 cubic yards or 13,100 tons were disposed of during the year at a cost of \$30,375.

Program 11 — Garbage Disposal

The garbage transfer stations at Victory Road, Dorchester, and Gardner Street, West Roxbury, were continued in operation throughout the year for disposal of garbage collected in several of the city districts. The city exercised its option and renewed contracts commencing April 1, 1964, with Kristoff Brothers for removing 10,800 cubic yards, or 3,600 tons of garbage delivered to the Victory Road transfer station, and with Kennedy Brothers for removing 15,618 cubic yards, or 5,206 tons of garbage delivered to the Gardner Street transfer station. There was no change in the weekly contract prices and the annual cost for each contract amounted to \$13,100. Due to the statute requiring cooking of garbage before feeding to hogs, and the steadily declining number of piggeries in the State, the problem of garbage disposal becomes more acute each year and another method of disposal will have to be found in the very near future. However, for the present this is the least costly arrangement that can be made for garbage disposal.

PERSONNEL IN-SERVICE TRAINING PROGRAM

The Administrative Section of the Sanitary Division acted as liaison between the department and Northeastern University in the preparation of contracts for providing In-Service Training for departmental personnel and in making arrangements for establishing the courses and selecting personnel to attend the same, and also acted as liaison between the department and the Administrative Services Department Training Coordinator in the arrangement of courses and the selection of personnel in programs set up by that office.

During 1964, the department contracted with Northeastern University to make a "Survey of the Educational

and Training Need of Technicians, Supervisors and Managerial Employees of the Department", conducted in three phases; (1) an examination and evaluation of the structures and functioning of the entire department; (2) a study and evaluation of the need for a continuing program of on-the-job and/or off-the-job education and training, and (3) submission of recommendations concerning suggested changes in the department structure and an outline of the scope, content, plan of operation and cost of conducting a program of education and training. A complete report was submitted including job descriptions, duties and requirements, for all key supervisory personnel of the department.

Pursuant to the above study, arrangements were made for courses to be conducted by Northeastern University on the "Fundamentals of Public Works Construction", and on "Management of Automotive Equipment Maintenance", both to be started early in 1965.

In cooperation with the Training Coordinator, Administrative Services Department, 15 engineering employees from various divisions of the department were enrolled in a five-year course leading to a Degree of Associate in Civil Engineering at Lowell Technological Institute, and several clerical employees attended stenographic and typing courses conducted at South Boston High School.

SNOW REMOVAL

The Snow Emergency Center continued in its fourth year of operation at the Civil Defense office located in the Fire Headquarters building during the snow season under the direction of Division Engineer and Deputy Commissioner, John F. Flaherty, as chairman. This unit is supervised by the Administrative Section of the Sanitary Division. The coordinating table of the center has representatives of several departments, as well as the utility companies. This center processed hundreds of calls from the general public to the agency or department involved during the storms which occurred in 1964. The center, in addition to the department representa-

tives, also has a unique communications system consisting of short-wave radios to Public Works, Traffic and Fire Headquarters, and a direct "hot line" to the Public Works Department Snow Headquarters, Mayor's Office, MBTA and each Police station, and a teletypewriter to each Public Works district yard and snow headquarters. The center is called into operation at the onset of any snowfall with a skeleton force. As the storm forecast predicts heavier snowfall, additional personnel and table representatives are activated to operate the center in assisting the general public. The Emergency Center handles all press, radio and television releases during all snowstorms, keeping the public informed on all storm activities. The center was activated during the Bellflower Street fire and is organized to function as a communications center during any type of natural disaster.

SEWER DIVISION

The Sewer Division is responsible for the construction replacement, maintenance and repair of the city's sanitary sewers, surface drains, catch basins and various appurtenances, and the operation and maintenance of pumping stations and a disposal plant.

The division is organized in three sections—Administrative, Construction and Maintenance.

The Administrative Section is responsible for preparing budgetary requests; maintenance of time records; preparing, purchasing, and service orders and receiving notices; handling correspondence, processing estimates on contract work; keeping records; and adjusting sewer use accounts.

The Construction Section is responsible for the engineering and inspection of the sewerage works program, from field layout through to final inspection and acceptance. During the year expenditures from the sewer loan amounted to \$1,050,568, and \$423,464, unliquidated encumbrances.

In connection with the building of the War Memorial Auditorium it was necessary to relocate the West Side intercepting sewer, which flows southerly, and a large main sewer which was laid in the same trench

with the intercepting sewer and above the interceptor. Hydraulic characteristics were such that the main sewer had to flow northerly at this locus. Flows in both sewers had to be maintained during construction, creating quite an engineering problem. A contract to do this work was approved in May and work was completed in January, 1965, without curtailing service.

The Maintenance Section is responsible for the operation of the sewerage and surface drainage system comprising 1,347.16 miles of common sewers and surface drains, and 30.93 miles of intercepting sewers; pumping stations at the Calf Pasture, Union Park Street, Symphony Station, Summer Street and Sullivan Square; and a disposal plant at Moon Island. The total pumpage at the Calf Pasture station amounted to 42,765 million gallons for the year or an annual daily average of 117.16 million gallons, at a cost of \$6.47 per million gallons. The sewer maintenance expenditures for 1964 amounted to \$795,889.

Sewage from Boston Proper, South Boston, parts of Roxbury, Dorchester, and West Roxbury outlets through the Calf Pasture—Moon Island Disposal Plant. Sewage from East Boston and Charlestown flows into the metropolitan system for discharge at Deer Island, and sewage from Brighton, Hyde Park, and parts of Roxbury, Dorchester, and West Roxbury flows into the metropolitan system and is discharged at Nut Island. A small portion of Dorchester and Milton in the metropolitan sewage area, lying at an elevation too low to drain into the metropolitan high level sewer, is discharged into the Boston main drainage system, for which disposal in 1960 the Metropolitan District Commission paid the city \$32,601.45.

WATER DIVISION

The Water Division has the care, control and maintenance of the distributing mains supplying the potable water to the city. The source of supply is the Metropolitan District Commission, which agency supplies the city at the city line. Although the law requires that the pressure be sufficient to distribute by gravity, there were

approximately 100 residences in Hyde Park, that required the use of a small city pump, during peak loads in the summer season. This situation will be eliminated in 1965, by a connection to the extra high service. The Water Division also supplies water to the two high pressure pumping stations operated by the Fire Department, for protection of the central business section of the city.

The Water Division is composed of four sections—Administration, Construction, Maintenance and Revenue.

The Administrative Section handled, prepared and processed correspondence; initiated requisitions and supply orders; prepared contract payments and maintained records.

The Construction Section supervised the relaying of 1.33 miles of mains from 4 inches to 16 inches in diameter; the extension of 3.99 miles of new mains; and 43 hydrants.

The Maintenance Section is responsible for the operation and maintenance of the water distributing system comprising 1,040.79 miles ranging in size from 2 inches to 48 inches in diameter; 18.64 miles of high pressure fire service pipes and including gates, valves, hydrants, and other appurtenances.

This section provided for the repair of main pipes, service pipes, hydrants and gates; and furnished emergency service on a 24-hour basis, seven days a week. The city labor was augmented by contract personnel in excavating and backfilling trenches.

The section operates a maintenance shop, including machine, plumbing and meter units.

The Revenue Section performs all the work involved in operating a utility business with 97,000 customers. The work involved includes the processing of old and new accounts; reading of meters; computing bills; adjusting errors in billing; and processing abatements. As the sewer use charge is based on the water supplied the user, this section processes sewer use abatements based on adjusted water use. Technical sewer abatements are made by the Sewer Division.

The contract with the Pitometer Associates to survey the water waste in area No. 2 is 49 percent completed. This survey has disclosed leakage totalling 1,428,000 gallons per day since its inception. The Metropolitan water assessment in 1964, based on water use of 44,298,697 gallons in 1963, amounted to \$5,315-843.64 and water revenue amounted to \$10,386,105. A surplus of \$579,241 resulted from water operations.

FISCAL

Total expenditures in 1964 for Public Works amounted to \$27,917,263, of which \$5,315,843 represents water assessments and \$1,589,574 represents sewer assessments paid to the Metropolitan District Commission. The water assessment was \$182,876 higher than 1963; and the sewer assessment \$162,640 more than 1963.

The general policy of prudence in the expenditures of taxpayers' money was continued during the year, resulting in an unencumbered balance of \$4,471,330.

Appended hereto is the report submitted by the Public Improvement Commission and statistical data relative to the activities of the various divisions.

Respectfully submitted,

JAMES W. HALEY,
Commissioner of Public Works.

ANNUAL REPORT
OF THE
PUBLIC IMPROVEMENT COMMISSION
FOR THE YEAR ENDING
DECEMBER 31, 1964

January 4, 1965.

HON. JOHN F. COLLINS,
Mayor of Boston

Through the Commissioner of Public Works

DEAR MR. MAYOR:

In accordance with the provisions of Section 24, Chapter 3, of the Revised City Ordinances of 1947, the following report of the Public Improvement Commission for the year ending December 31, 1964, is respectfully submitted.

STREET PROGRAM

During the period covered by this report, three hundred one (301) highway improvements were ordered by the Public Improvement Commission, including the laying out of thirty-two (32) new highways, the construction of fifty-eight (58) new sidewalks, the widening and relocation of one hundred nine (109) public ways, the making of specific repairs in eighty-four (84) existing streets, the discontinuance of sixteen (16) streets, and the relocation and revision of grade of two (2) streets.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as public ways during the year 1964:

Boxford terrace, West Roxbury, from Park street approximately 200 feet southwesterly. Length, 200 feet. Estimated cost, \$8,557. Estimated benefit, \$4,277.70.

Camelot court, Brighton (formerly Colon street), from Gordon street to Warren street. Length, 710 feet.

Charlame place, Roxbury, from Ottawa street approximately 160 feet southerly. Length, 160 feet.

Charlame street, Roxbury, (formerly Ottawa street), from Laurel street approximately 590 feet easterly and approximately 220 feet northerly of Catawba street. Length, 810 feet.

David road, West Roxbury, from Moss Hill road approximately 520 feet southwesterly. Length, 520 feet. Estimated cost, \$16,182. Estimated benefit, \$8,091.

Earnshaw street, West Roxbury, from Miami avenue approximately 186 feet southeasterly. Length, 186 feet.

Elm Lawn, Dorchester, from Centre street approximately 250 feet northerly. Length, 250 feet.

Gerrish street, Brighton, from Brooks street approximately 520 feet northwesterly. Length, 520 feet. Estimated cost, \$19,900. Estimated benefit, \$9,949.98.

Gerrish street, Brighton, from a point approximately 520 feet northwest of Brooks street, and approximately 300 feet northwesterly. Length, 300 feet. Estimated cost, \$12,381. Estimated benefit, \$6,190.51.

Glenciff road, West Roxbury, from a point approximately 580 feet southeasterly of Poplar street to Dale street. Length, 755 feet. Estimated cost, \$20,990. Estimated benefit, \$10,495.

Holly road, West Roxbury, from Jewett street approximately 330 feet southeasterly. Length, 330 feet. Estimated cost, \$15,150. Estimated benefit, \$7,575.

Humboldt court, Roxbury, from Humboldt avenue approximately 215 feet easterly and northerly. Length, 215 feet.

Laurel street, Roxbury, from a point approximately 375 feet south of Dale street to Humboldt avenue. Length, 480 feet.

Manion road, Hyde Park, from Westminster street to Safford street. Length, 475 feet. Estimated cost, \$20,000. Estimated benefit, \$9,999.97.

Manley street, Dorchester, from Victory road to Newkirk street. Length, 290 feet. Estimated cost, \$9,343. Estimated benefit, \$4,671.50.

Mt. Washington avenue, Boston Proper, from Granite street to A street. Length, 330 feet.

McDonald avenue, Brighton, from Everett street to Speedway avenue. Length, 470 feet. Estimated cost, \$20,000. Estimated benefit, \$10,000.

Newkirk street, Dorchester, from Neponset avenue to approximately 75 feet east of Manley street. Length, 275 feet. Estimated cost, \$7,859. Estimated benefit, \$3,550.37.

Norris road, Hyde Park, from Metropolitan avenue approximately 376 feet westerly. Length, 376 feet. Estimated cost, \$18,434. Estimated benefit, \$7,911.

North Charlame court, Roxbury, from Ottawa street approximately 120 feet northerly. Length, 120 feet.

North Charlame terrace, Roxbury, from Ottawa street approximately 120 feet northerly. Length, 120 feet.

Providence street, Hyde Park, from Washington street to Metropolitan avenue. Length, 2,481 feet. Estimated cost, \$54,314. Estimated benefit, \$27,160.47.

Rockwood terrace, West Roxbury, from Rockwood street approximately 480 feet easterly and southerly. Length, 480 feet. Estimated cost, \$20,000. Estimated benefit, \$9,999.

Searle road, West Roxbury, from Maplewood street approximately 180 feet northeasterly. Length, 180 feet. Estimated cost, \$7,765. Estimated benefit, \$3,882.50.

South Charlame court, Roxbury, from Ottawa street approximately 165 feet southerly. Length, 165 feet.

South Charlame terrace, Roxbury, from Ottawa street approximately 172 feet southerly. Length, 172 feet.

Trilling Way, South Boston, from Northern avenue approximately 300 feet southwesterly. Length, 300 feet. Estimated cost, \$19,200. Estimated benefit, \$9,520.

Violet street, Dorchester, from Delhi street to Crossman street. Length, 300 feet. Estimated cost, \$35,147. Estimated benefit, \$17,573.50.

William Cardinal O'Connell Way, Boston Proper, from Staniford street approximately 330 feet westerly.

Willow avenue, Hyde Park, from Providence street to Hyde Park avenue. Length 350 feet.

LAYOUTS WITHOUT CONSTRUCTION

Carlson road, Hyde Park, from the Boston-Milton line approximately 70 feet southwesterly. Length, 70 feet.

Granite street, South Boston (formerly Richards street), from Granite street to A street. Length, 260 feet.

WIDENINGS AND RELOCATIONS

Adams street, Dorchester, at the northeasterly corner of Fellsway street.

Alabama street, Dorchester, at the northwesterly and southwesterly corners of Currier street.

Alban street, Dorchester, at the southwesterly corner of Welles avenue; and the northeasterly and northwesterly corners of Ashmont street.

Ashland street, Dorchester, at the northwesterly corner of Ashland street; and the southwesterly, northeasterly and southeasterly corner of Elm street.

Aspinwall road, Dorchester, at the northwesterly, northeasterly and southeasterly corner of Whitfield street; and the southeasterly corner of Hopestill street.

Beach street, Dorchester, 100 feet north of Park street; and 270 feet north of Park street.

Beaver street, Hyde Park, at the northeasterly and southeasterly corners of Reservation road; and the southeasterly and southwesterly corners of Cleveland street.

Bernard street, Dorchester, at the northeasterly and southeasterly corners of Tonset street.

Bigelow street, Brighton, at the northeasterly corner of Faneuil street; and the northeasterly corner of Perthshire road.

Birch street, West Roxbury, at the northeasterly and northwesterly corners of Penfield street; and the northeasterly, northwesterly, southeasterly and southwesterly corners of Albano street.

Blanche street, Dorchester, at the northwesterly and northeasterly corners of Victory road; and the southwesterly and southeasterly corners of Green Hill street.

Bower street, Roxbury, from Warren street to Humboldt avenue.

Bowman street, Dorchester, at the southeasterly corner of Blackwell street; and the northeasterly corner of Chickatawbut street.

Boylston street, Boston Proper, from Dalton street approximately 420 feet easterly.

Brentwood street, Brighton, at the southeasterly and southwesterly corners of Athol street.

Browning avenue, Dorchester, at the southerly corner of Bernard street.

Carol avenue, Brighton, at the northwesterly corner of Allston street.

Carroll street, West Roxbury, at the northerly and westerly corners of Vermont street; northerly, westerly, easterly and southerly corners of Keith street; northerly, westerly and easterly corners of Lasell street; and the easterly and southerly corners of Glenham street.

Caspian Way, Dorchester, at the southeasterly corner of Savin Hill avenue.

Castlegate road, Dorchester, at the northeasterly corner of Normandy street.

Chesterfield street, Hyde Park, at the southeasterly and southwesterly corners of Readville street.

Child street, Hyde Park, at the northeasterly corner of Reservation road; and the southwesterly and southeasterly corners of Cleveland street.

Condor street, East Boston, at the westerly corner of Glendon street; and the easterly corner of East Eagle street, southerly side.

Corona street, Dorchester, at the northeasterly corner of Bowdoin street.

Cowing street, West Roxbury, at the northwesterly corner of Alleyne street.

Cowing street, West Roxbury, at the northerly and westerly corners of Washington street; and the easterly and southerly corners of Partridge street.

D street, South Boston, at the northeasterly corner of West Seventh street; southwesterly corner of Gold street; and the northwesterly corner of Athens street.

Dahlgren street, Dorchester, at the northeasterly and northwesterly corners of Corona street.

Dana avenue, Hyde Park, at the northeasterly, northwesterly, southwesterly and southeasterly corners of Loring street; and the northeasterly and northwesterly corners of Washington street.

Dartmouth street, Boston Proper, from St. James avenue to Boylston street.

Ditson street, Dorchester, at the southeasterly and southwesterly corners of Charles street.

Dorchester avenue, Dorchester, at the southwesterly corner of Mayfield street.

East street, Dorchester, at the northeasterly corner of Winter street.

East Cottage street, Dorchester, at the southerly corner of Dawes street.

Elbert street, Roxbury, from Humboldt avenue to Hazelwood street.

Ellet street, Dorchester, at the northeasterly and southeasterly corners of Adams street; and the southwesterly corner of Dorchester avenue.

Ellington street, Dorchester, at the southeasterly corner of Erie street.

Everdean street, Dorchester, at the southeasterly corner of Ashland street; northerly and southerly corners of Blanche street; northeasterly and southeasterly corners of Green Hill street; and the northeasterly corner of Victory road.

Everett street, Dorchester, at the westerly corner of Elm street.

Forsyth street, Roxbury, at the northeasterly corner of Huntington avenue.

Garnet road, West Roxbury, at the easterly and southerly corners of Farmington road; and the westerly corner of Weld street.

Glenham street, West Roxbury, at the northerly, southerly and easterly corners of Atlantis street; and the easterly, southerly and southeasterly corners of Perham street.

Gordon street, Brighton, at the northwesterly and southwesterly corners of Ridgemont street.

Granite avenue, Dorchester, at the northwesterly and southwesterly corners of Beaufield street; and the northeasterly and northwesterly corners of Milton street.

Greycliff road, Brighton, 600 feet northeasterly of Commonwealth avenue; and the northwesterly and southwesterly corners of Foster street.

Hallowell street, Dorchester, at the northwesterly and southwesterly corners of Newcastle street.

Hancock street, Dorchester, at the southwesterly and southeasterly corners of High street.

Harwich street, Boston Proper, from Yarmouth street to Truro street.

Haydn street, West Roxbury, at the northerly corner of Washington street; and the easterly corner of Nikisch avenue.

Hayes road, West Roxbury, at the easterly and southerly corners of Birch street; northerly and easterly corners of Filomena road; and the northwesterly and southwesterly corners of Washington street.

Hazelwood street, Roxbury, from Townsend street to Munroe street.

Hazelwood street, Roxbury, at the northeasterly corner of Townsend street; and the southeasterly corner of Munroe street.

Hobson street, Brighton, at the northeasterly corner of Faneuil street; northeasterly and southeasterly corners of Bothwell road; northeasterly and southeasterly corners of Newcastle road; northeasterly and southeasterly corners of Donnybrook road; and the southeasterly and southwesterly corners of Hobart street.

Humboldt avenue, Roxbury, from Walnut avenue to Townsend street.

Intervale street, Roxbury, at the southwesterly and northeasterly corners of Normandy street; northeasterly and northwesterly corners of Fernboro street; northwesterly and northeasterly corners of Intervale terrace; easterly corner of Coleus park; and the northwesterly and northeasterly corners of Magnolia street.

Iola street, Dorchester, at the southeasterly corner of Talbot avenue.

King street, Dorchester, at the northeasterly corner of Adams street; southeasterly corner of Daly street; and the northeasterly and northwesterly corners of Elmdale street.

Lawrence avenue, Dorchester, at the southeasterly corner of Normandy street; southwesterly and southeasterly corners of Fernboro street; southwesterly corner of Coleus park; and the southwesterly corner of Magnolia street.

Leniston road, West Roxbury, at the southwesterly corner of Walworth street.

Lorraine street, West Roxbury, at the northeasterly and northwesterly corners of Colberg avenue.

Malta street, Hyde Park, at the southwesterly corner of River street.

Marden avenue, Dorchester, at the northwesterly corner of Willowwood street.

Melbourne street, Dorchester, at the northeasterly and northwesterly corners of Welles avenue; northwesterly and southwesterly corners of Brent street; and the southwesterly corner of Centre street.

Monson street, Dorchester, at the northeasterly and southeasterly corners of Sturbridge street; and the northwesterly corner of Caddy road.

Montvale street, West Roxbury, at the southwesterly corner of Colberg avenue.

Mt. Bowdoin terrace, Dorchester, at the southeasterly and southwesterly corners of Eldon street; and the northeasterly and northwesterly corners of Mallon road.

Mt. Everett street, Dorchester, at Hamilton street.

Munroe street, Roxbury, over a portion of Hazelwood street from a point approximately 35 feet east of Hazelwood street, approximately 215 feet, westerly.

Nahant avenue, Dorchester, at the southeasterly corner of Adams street.

Narragansett street, Dorchester, at the northwesterly corner of Minot street; and the southwesterly corner of Chickatawbut street.

Nikisch avenue, West Roxbury, at the southerly corner of Mendelssohn street; and the westerly and southerly corners of Beech street.

Normandy street, Dorchester, at the northwesterly corner of Seaver street.

Norway park, Hyde Park, at the northwesterly and northeasterly corners of Summit street; and the southeasterly corner of Warren avenue.

Norwell street, Dorchester, at the northwesterly, southeasterly and southwesterly corners of Wheatland avenue; and the northwesterly corner of Talbot avenue.

Ocean street, Dorchester, at the northeasterly corner of Ashmont street; southwesterly and southeasterly corners of Welles avenue; and the northerly and southerly corners of Mellen street.

Opera place, Roxbury, at the northeasterly corner of St. Stephen street.

Opera place, Roxbury, from Huntington avenue to St. Stephen street.

Parish street, Dorchester, from Winter street to dead end.

Park street, Dorchester, at the northeasterly and southeasterly corners of Norwell street; northeasterly and southeasterly corners of Millet street; northwesterly and southwesterly corners of Spencer street; northeasterly corner of Thane street; southeasterly corner of Whitfield street; northwesterly and northeasterly corners of Merlin street; and the northwesterly corner of Elwyn road.

Pasadena road, Dorchester, at the southeasterly corner of Blue Hill avenue; southwesterly corner of Normandy street; and the southwesterly corner of Columbia road.

Pleasant street, Dorchester, at the southwesterly corner of Sawyer avenue; southerly corner of Thornley street; and the southerly corner of Whitby terrace.

Poplar street, West Roxbury, at the northwesterly corner of Washington street.

Radcliffe street, Dorchester, at the southeasterly corner of Vassar street.

Robeson street, West Roxbury, at the northerly and southerly corners of Forest Hills street; and the northerly corner of Sigourney street.

Rogers Park avenue, Brighton, at the southeasterly corner of Lake street; southwesterly and southeasterly corners of Willoughby street; and the southeasterly corner of Foster street.

Ronan street, Dorchester, at the northeasterly and south-easterly corners of Bellevue street.

Roslin street, Dorchester, at the northerly and southerly corners of Ocean street; northeasterly and northwesterly corners of Harley street; southeasterly and southwesterly corners of Montague street; northeasterly and northwesterly corners of Grace street; and the northerly side at a bend of 90 feet east of Grace street.

Roxana street, Hyde Park, at the southwesterly corner of Charles street.

St. Alphonsus street, Roxbury, from Tremont street approximately 150 feet southwesterly.

St. James avenue, Boston Proper, from a point approximately 40 feet east of Trinity place to Dartmouth street.

Shafter street, Dorchester, at the southwesterly corner of Vassar street.

South street, West Roxbury, at the southwesterly corner of Washington street.

Southwick street, Dorchester, at the northeasterly and south-easterly corners of Neponset avenue; northwesterly and north-easterly corners of Salina road; and the northwesterly and southwesterly corners of Freeport street.

Spencer street, Brighton, at the northeasterly and south-easterly corners of Athelwold street.

Standard street, Dorchester, at the northeasterly and northwesterly corners of River street; and the northeasterly and southeasterly corners of Menton street.

Staniford street, Boston Proper, from Cambridge street to Merrimac street.

Stanley street, Dorchester, at the northeasterly and northwesterly corners of Bellevue street.

Supple road, Dorchester, at the northeasterly and northwesterly corners of Normandy street.

Symmes street, West Roxbury, at the westerly corner of Fairview street.

Tarleton road, West Roxbury, at the northerly corner of Chesbrough road; southerly corner of Temple street; and the northerly and westerly corners of Sanborn avenue.

Tiverton road, Dorchester, at the southeasterly corner of Lorna road; southwesterly and southeasterly corners of Stow road; and the southwesterly corner of Glenhill road.

Tolman street, Dorchester, at the southeasterly corner of Neponset avenue; and the northeasterly corner of Bloomington street.

Train street, Dorchester, at the northeasterly and southeasterly corners of Thelma road; northeasterly and southeasterly corners of Agawam street; northeasterly, northwesterly and southwesterly corners of King street; northwesterly and southwesterly corners of Rosemont street; northeasterly and southeasterly corners of North Munroe terrace; northeasterly and southeasterly corners of Boutwell street; southwesterly corner of Westglow street; and the northwesterly corner of Rosselerin road.

Trinity place, Boston Proper, from Boylston street to St. James avenue.

West street, Hyde Park, at the northwesterly, northeasterly, southeasterly and southwesterly corners of Davison street; northwesterly and southwesterly corners of Pierce street; and 110 feet northwesterly at the corner of Davison street.

West Milton street, Hyde Park, at the northwesterly and northeasterly corners of Ernest street; northwesterly and northeasterly corners of Vallaro road; and the southwesterly and southeasterly corners of Roberts place.

Wheatland street, Dorchester, at the southeasterly corner of Whitfield street; southwesterly corner of Spencer street; and the southeasterly corner of Millet street.

Wilkinson park, Dorchester, at the northeasterly corner of East street.

Winslow street, Hyde Park, at the southeasterly and southwesterly corners of Child street; and the northwesterly and southwesterly corners of River street.

SPECIFIC REPAIRS

Adams Street, Dorchester, at Milton street, Gallivan Boulevard and Cedar Grove Cemetery.

Albion street, Hyde Park, at northwest and southwest Beacon street (Incr. curb radii).

Albion street, Hyde Park, from Highland street to Beacon street (Sw increase).

Arlington street, Hyde Park, at Metropolitan avenue.

Ashland street, Dorchester, northeasterly Park street.

Aspinwall road, Dorchester, at southwest Hopestill street.

Beach street, Dorchester, westerly side at bend approx. 300 feet northeast Park street.

Belgrade avenue, West Roxbury, at Centre street.

Belgrade avenue, West Roxbury, at Birch street.

Bigelow street, Brighton, at various locations from Faneuil street, to Brooks street.

Bigelow street, Brighton, at Perthshire road, Hardwick street, and Brooks street.

Boylston street, Boston, on the southerly side from Massachusetts avenue to Dartmouth street.

Carol avenue, Brighton, at Commonwealth avenue.

Castlegate road, Dorchester, at Blue Hill avenue.

Chelsea street and Chestnut street, Charlestown, elimination of traffic divisional island at their intersection.

Child street, Hyde Park, at Reservation road.

Colbert street, West Roxbury, at southerly corner of Rhoda street.

Columbia road, Dorchester, at northeast and northwest Seaver street.

Columbine street, Dorchester, at southeast Blue Hill avenue.

Condor street, East Boston, from Brooks street.

Condor street, East Boston, at Meridian street, Brooks street, Putnam street, East Eagle street, Glendon street.

Corey street, West Roxbury, installation of traffic island at Weld street.

Corey street, West Roxbury, increasing curb radii at both corners of Henshaw terrace and bend at southerly side opposite Ruskin street.

Corona street, Dorchester, at Bowdoin street and Geneva avenue.

D street, South Boston, increasing the curb radii.

Dartmouth street, Boston, installation of traffic island, from St. James avenue to Boylston street.

East Cottage street, Dorchester, southerly Sumner street, westerly Chase street.

East Cottage street, Dorchester, at Pleasant street, installation of traffic divisional islands.

Ellet street, Dorchester, at Dorchester avenue.

Ellington street, Dorchester, northerly, southerly, and westerly Erie street.

Everett street, Dorchester, southwesterly Mill street, southerly Elm street.

Garden street, Brighton, at Cambridge and North Beacon streets.

Gerald road, Brighton, at Commonwealth avenue.

Glenham street, West Roxbury, increasing curb radii at bend on southerly side approx. 100 feet southwest of Perham street and at westerly corner of Atlantic street.

Granite street, South Boston, various locations between Baldwin street and Mt. Washington avenue.

Greycliff road, Brighton, at Commonwealth avenue and Gerald road.

Hancock street, Dorchester, at Francis G. Kane square.

Hancock street, Dorchester, easterly High street, approximately 50 feet to Dorchester avenue.

Hobson street, Brighton, at Faneuil street.

Huntington avenue, Roxbury, at Longwood avenue (wid. MBTA reservation).

Hyde Park avenue, Hyde Park, at Parkson street and Millstone road.

Intervale street, Dorchester, easterly and southerly Blue Hill avenue, northwesterly Coleus Park, northerly and westerly Columbia road.

Iola street, Dorchester, at northeast and northwest Tonset street and southwest Talbot avenue.

King street, Dorchester, at southeast Adams street and southwest Daly street.

Lawrence avenue, Dorchester, southerly Blue Hill avenue, westerly Normandy street, easterly Mascoma street.

Lawrence avenue, Dorchester, Blue Hill avenue to Magnolia street.

March avenue, West Roxbury, from Bellevue street to Park street.

Marden avenue, Dorchester, southerly Willowwood street.

Marden avenue, Dorchester, southerly at bends approximately 75 feet and 100 feet west Willowwood street.

Malta street, Hyde Park, at River street and Edgewater Drive.

Melbourne street, Dorchester, at southeast Centre street.

Midvale road, West Roxbury, increasing curb radii at both corners of Maple street.

Mill street, Dorchester, westerly Victory road, northwesterly and southwesterly Ashland street, southwesterly Everett street.

Monson street, Dorchester, at northwest and southwest Temple street.

Montvale street, West Roxbury, increasing curb radii at northerly corner of Colberg avenue and northerly, easterly and westerly corners of Iona street.

Nahant avenue, Dorchester, at southwest Newhall street.

Normandy street, Dorchester, at Columbia road and Seaver street.

Norwell street, Dorchester, at southwest Park street.

Parish street, Dorchester, reduction in sidewalk on northerly side from Winter street to dead end.

Park street, Dorchester, southwesterly Millet and Whitfield street.

Pleasant street, Dorchester, 2 corners Roach street, southerly Thornby street, 2 corners Hesston terrace southerly Pearl street, 2 corners Victoria street, Mayfield street, Trescott,

Willis, Taft, Howe streets, southerly Morrill, Hinckley, East Cottage streets, 2 corners Downer avenue, northerly Mayfield street.

Pleasant street, Dorchester, sidewalk included between Greenmount street and Roach street from southerly Savin Hill avenue to approximately 50 feet northerly, Hesston terrace to Whitby terrace.

Pleasant street, Dorchester, approximately 50 feet south Sawyer avenue approximately 50 feet north Sawyer avenue, approximately 100 feet North Victoria to Victoria street, Victoria street to Mayfield street, Mayfield street to Taft street, Hinckley street to Willis street, Willis street to East Cottage street, Taft street to Howes street, Howes street to East Cottage street.

Raymond street, Brighton, at Everett street.

Remington street, Dorchester, at both corners of Nixon street.

Reservation road, Hyde Park, at Hyde Park avenue.

Reservation road, Hyde Park, at Business street.

Roslin street, Dorchester, on southerly side at bend approximately 35 feet easterly of Montague street.

St. Alphonsus street, Roxbury, at Milton street, Gallivan Boulevard and Cedar Grove Cemetery.

Sanderson place, Brighton, at southeast and southwest corners of Faneuil street.

Seaver street, Dorchester, at Normandy street.

Supple road, Dorchester, Blue Hill avenue.

Supple road, Dorchester, at Normandy street.

Symmes street, West Roxbury, increasing curb radii at northerly corner of Fairview street and easterly corner of Walter street.

Tarleton road, West Roxbury, increasing curb radii at westerly corner of Temple street.

Tiverton road, Dorchester, easterly Owen street.

Train street, Dorchester, northeast and northwest Westglow street, southeast South Munroe terrace and southeast King street.

Washington street, West Roxbury, at South street, installation of traffic island.

Welland road, West Roxbury, increasing curb radii at both corners of Sanborn avenue and Temple street.

West street, Hyde Park, 110 feet northwest of Davison street.

Westcott street, Dorchester, at Talbot avenue.

West Milton street and Milton street, Hyde Park, installation of traffic divisional islands.

West Milton street, Hyde Park, increasing the curb radii.

Wheatland avenue, Dorchester, at northeast Millet street.

SIDEWALKS

In connection with the recently enacted Chapter 245 of the Acts of 1958, the Public Improvement Commission ordered the installation of artificial stone sidewalks on the following streets:

Alabama street, Dorchester, from Currier street to Monterey avenue.

Albion street, Hyde Park, from Highland street to Beacon street.

Arlington street, Hyde Park, from River street to Pierce street.

Ashland street, Dorchester, from Park street to Everdean street.

Aspinwall road, Dorchester, from Washington street to Talbot avenue.

Bayswater street, East Boston, from Annavoy street to Nancia street.

Beach street, Dorchester, from Park street to Freeport street.

Bernard street, Dorchester, from Talbot avenue to a point approximately 110 feet north of Tonset street.

Blanche street, Dorchester, from Victory road to Green Hill street.

Bonad road, West Roxbury, from Highland street to Beacon street.

Carroll street, West Roxbury, from Vermont street to Glenham street.

Charlesview street, Brighton, at various locations from Bigelow street to Brooks street.

Chesterfield street, Hyde Park, from Neponset Valley Parkway to Readville street.

Child street, Hyde Park, from Reservation road to Cleveland street.

Clare avenue, West Roxbury, from American Legion Highway (Meacham street) approximately 190 feet northerly.

Columbia road, South Boston, northerly between Covington street and G street.

Columbia road, South Boston, adjacent to No. 1360.

Corey street, West Roxbury, from Centre street to the Newton Boundary Line.

Cowing street, West Roxbury, from Washington street to Partridge street.

Dana avenue, Hyde Park, from Truman Highway to Washington street.

Ellet street, Dorchester, at various locations from Adams street to Dorchester avenue.

Everdean street, Dorchester, from Ashland street to Victory road.

Everett street, Dorchester, from Park street to Mill street.

Fern street, Brighton, from Franklin street to Holton street.
Glenham street, West Roxbury, from Veterans of Foreign Wars Parkway to La Grange street.

Gordon street, Brighton, at various locations from North Beacon street to Colon street.

Hallowell street, Dorchester, from Cummins Highway to beyond Newcastle street.

Hyde Park avenue, Hyde Park, from Wolcott square southerly to Millstone street.

Iola street, Dorchester, from Talbot avenue to Tonset street.

King street, Dorchester, from Dorchester avenue to Train street.

Lincoln street, Dorchester, on the southerly side at Dorchester avenue.

Lorraine street, West Roxbury, from Colberg avenue to Iona street.

Malta street, Hyde Park, from River street to Edgewater Drive.

Marden avenue, Dorchester, from Willowwood street approximately 275 feet westerly to dead end.

Mill street, Dorchester, from Victory road to Freeport street.

Monson street, Dorchester, from Temple street to Sturbridge street.

Mt. Hood road, Brighton, at various locations from Commonwealth avenue to Carey road.

Nahant avenue, Dorchester, from Adams street to Newhall street.

Narragansett street, Dorchester, from Minot street to Chickatawbut street.

Norway Park, Hyde Park, from Warren avenue to Summit street.

Ocean street, Dorchester, from Ashmont street to Welles avenue.

Parish street, Dorchester, southerly Winter street to dead end.

Park street, Dorchester, from Norwell street to Washington street.

Poplar street, West Roxbury, from Beech street approximately 800 feet southwestly.

Radcliffe street, Dorchester, from Harvard street to Vassar street.

Remington street, Dorchester, from Centre street to Nixon street.

Robeson street, West Roxbury, from Forest Hills street to Sigourney street.

Roslin street, Dorchester, from Washington street to Ocean street.

Roxana street, Hyde Park, from River street to Sunnyside street.

Seaver street, Dorchester, northeasterly side from Normandy street to Columbia road.

Southwick street, Dorchester, from Freeport street to Neponset avenue.

Tarleton road, West Roxbury, from Temple street to Cheshbrough road.

Temple street, Dorchester, from River street to Manchester street.

Tiverton road, Dorchester, from Lorna road to Glenhill road.

Train street, Dorchester, from Ashmont street to Victory road.

Walbridge street, Brighton, from Commonwealth avenue to the Brookline Town Line.

West street, Hyde Park, from River street to Pierce street.

Winslow street, Hyde Park, from River street to Child street.

DISCONTINUANCES

Allen street, Boston Proper, portion of Allen street, southerly side approximately 341 feet east of Charles street, approximately 355 feet easterly.

Baldwin street, South Boston, from Granite street to A street.

Centre street, West Roxbury, on the easterly side from Northdale road approximately 120 feet southerly.

Centre street, West Roxbury, on the easterly side from a point approximately 400 feet north of Stimson street to approximately 400 feet northerly.

Comins terrace, Roxbury, from Bower street approximately 160 feet southerly.

Gerald street, Roxbury, from George street to Howard street.

Granite street, South Boston, between Richards street and Baldwin street.

Hanover street, Boston Proper, on the easterly side between Harris and Clark streets.

Huntington avenue, Boston Proper, from Boylston street to Dartmouth street.

Jay street, South Boston, from East Fourth street approximately 165 feet southerly.

Laurel street, Roxbury, approximately 375 feet south of Dale street, to Humboldt avenue.

Munroe street, Roxbury, from Humboldt avenue approximately 245 feet easterly.

Ottawa street, Roxbury, approximately 590 feet east of Laurel street.

School street, Boston Proper, from a point approximately 12 feet southwesterly on Washington street, approximately 7 feet southwesterly, and from a point approximately 21 feet southwesterly of Washington street, approximately 7 feet southwesterly.

Staniford street, Boston Proper, easterly side at various locations between Cambridge street and Merrimac street.

Washington street, Boston Proper, from a point approximately 4 feet northeasterly of School street, approximately 7 feet northeasterly and from a point approximately 18 feet northeasterly of School street, approximately 7 feet northeasterly.

RELOCATION AND REVISION OF GRADE

Cambria street, Boston Proper, Dalton street, approximately 200 feet westerly.

Scotia street, Boston Proper, Dalton street, approximately 200 feet westerly.

STREET NAME CHANGE

Ashley street, East Boston (formerly Fr. Toma street), Breed street to Boardman street.

SLOPE EASEMENT

Dalton street, Boston Proper, between Cambria street and Belvidere street.

DISCONTINUANCE OF SLOPE EASEMENTS

Dalton street, Boston Proper, between Cambria street and Belvidere street.

Poplar street, West Roxbury, on the easterly side from Maynard street approximately 335 feet northerly.

ABANDONMENT OF ORDER

Supple road, Dorchester, widening and construction at the northeasterly and northwesterly corners of Normandy street.

Trilling Way, South Boston, laying out and construction from Northern avenue approximately 300 feet southwesterly.

LAND DAMAGES

On new street construction 88 claims were filed for damage to property resulting from land takings or changes in grades. On these claims, this Commission awarded damages in the amount of \$29,677.20.

SEWER PROGRAM

During the year 1964 the construction of 3.32 miles of sanitary sewer, 3.81 miles of storm sewer, 89 catch basins, and 1 drop inlet were ordered at a total estimated cost of \$548,811.60.

The following sewer easement was ordered discontinued:

PRIVATE LAND, West Roxbury, from Gardner Street to the former line of Morrison Street.

Sewerage works were ordered as follows:

SEWERAGE WORKS ORDERED

| STREET | Sanitary Sewer (Linear Feet) | Surface Drain (Linear Feet) | Catch Basins | Drop Inlets | Cost | Estimated Benefit |
|--|---------------------------------|--------------------------------|--------------|-------------|------------|----------------------|
| Boston Proper | | | | | | |
| Oliver street..... | | | | 1 | \$400 00 | |
| Brighton | | | | | | |
| Chestnut Hill avenue.... | 515 | 502 | | | 18,800 00 | \$8,000 00 |
| Hardwick terrace..... | 115 | 110 | | | 3,600 00 | None |
| Western avenue..... | 490 | | | | 18,250 00 | 13,687 52 |
| Dorchester | | | | | | |
| Ashland street..... | 80 | 81 | | | 2,200 00 | 925 00 |
| Evandale terrace..... | 300 | 295 | 2 | | 7,770 00 | None |
| Itasca street..... | | 1,200 | 6 | | 15,000 00 | None |
| Paula road..... | | 135 | | | 4,020 00 | 2,865 00 |
| Tennis road..... | 215 | 171 | 2 | | 7,600 00 | None |
| Hyde Park | | | | | | |
| Beechmont street..... | 220 | 215 | 4 | | 8,570 00 | None |
| Collins street..... | 190 | 170 | | | 4,100 00 | 1,700 00 |
| Dedham street..... | 50 | | | | 13,000 00 | None |
| *Edson terrace..... | 90 | 97 | | | 3,180 00 | 1,492 52 |
| *Prospect circle..... | 180 | 180 | 2 | | 4,400 00 | 2,325 00 |
| *Ralston road..... | 307 | 307 | 3 | | 7,900 00 | 3,750 00 |
| *Sierra road..... | 973 | 980 | 6 | | 29,200 00 | None |
| *Vallaro road..... | 120 | 127 | | | 4,590 00 | None |
| *Yuletide road and He- bron street..... | 200 | 222 | | | 6,065 00 | None |
| Roxbury | | | | | | |
| Crestwood park..... | 522 | 541 | 4 | | 10,250 00 | None |
| Humboldt avenue..... | 290 | 310 | | | 12,720 00 | None |
| St. Alphonsus street.... | 475 | 558 | 7 | | 14,400 00 | None |
| Townsend street..... | 222 | 188 | 2 | | 1,920 00 | None |
| Tremont street..... | 70 | | | | 1,600 00 | None |
| West Roxbury | | | | | | |
| *Blueview Circle..... | 340 | 345 | 2 | | 8,820 00 | 5,220 05 |
| *Blueview road..... | 645 | 644 | 4 | | 17,196 00 | 9,579 92 |
| Boylston street..... | 1,539 | 1,221 | | | 48,625 00 | None |
| *Cataumet street..... | 190 | 207 | 2 | | 4,700 00 | 2,287 50 |
| *Cedarcrest Circle..... | 515 | 550 | 3 | | 17,320 00 | 8,512 64 |
| *Cedarcrest road..... | 385 | 395 | 2 | | 8,600 00 | 4,803 75 |
| *Eldon street..... | 73 | 73 | | | 2,600 00 | 1,462 50 |
| Fernwood road..... | 100 | 120 | | | 4,000 00 | None |
| *Furbush road..... | 240 | 245 | | | 6,615 00 | 3,468 78 |
| George Wright Golf Course..... | 7,463 | 7,647 | 32 | | 171,480 00 | 128,610 00 |
| La Grange street..... | 35 | 29 | | | 880 60 | 660 45 |
| Maple street..... | | 1,875 | | | 46,800 00 | None |
| *New Haven street..... | 220 | 220 | 6 | | 7,640 00 | 2,310 00 |
| *Schubert street..... | 175 | 179 | | | 4,000 00 | 3,225 00 |

*Easements Taken

ASSESSMENTS

During the year 1964, the Highway Division of the Public Works Department sent notice of completion of nine (9) streets at a total cost of \$254,358.91. On this work the Public Improvement Commission levied assessments in the amount of \$85,914.44.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in eight (8) streets at a cost of \$39,311.86, on which the Public Improvement Commission levied assessments in the amount of \$18,815.65.

With the abolishment of sewer entrance fees by the Supreme Court in 1951, the Public Improvement Commission was empowered to assess parcels of land within a seasonable time after connections were made to sewer from estates that had never paid an assessment for the original improvement. The following is a list of streets in which connections were made:

| STREET | DISTRICT | ASSESSMENT |
|------------------------------|-------------------|------------|
| Baker street..... | West Roxbury..... | \$60 00 |
| Belle avenue..... | West Roxbury..... | 840 00 |
| Buckingham street..... | Hyde Park..... | 660 00 |
| Burroughs street..... | West Roxbury..... | 62 45 |
| Cambridge street..... | Brighton..... | 194 27 |
| Cambridge street..... | Brighton..... | 169 30 |
| Columbia road..... | South Boston..... | 93 00 |
| Concord street..... | Charlestown..... | 50 00 |
| Dana avenue..... | Hyde Park..... | 150 00 |
| Dorchester street..... | South Boston..... | 100 00 |
| Fresno street..... | West Roxbury..... | 90 00 |
| Gardner street..... | West Roxbury..... | 184 00 |
| Garfield avenue..... | West Roxbury..... | 82 00 |
| Glenellen road..... | West Roxbury..... | 180 00 |
| Hackensack terrace..... | West Roxbury..... | 1,290 00 |
| Lasell street..... | West Roxbury..... | 53 75 |
| Manning street..... | West Roxbury..... | 52 50 |
| Maple street..... | West Roxbury..... | 194 40 |
| Miami avenue..... | West Roxbury..... | 45 86 |
| Myer street..... | West Roxbury..... | 75 00 |
| Orlando street..... | Dorchester..... | 160 00 |
| Pelton street..... | West Roxbury..... | 128 00 |
| Ralston road..... | Hyde Park..... | 192 00 |
| Regina road, Alpha road..... | Dorchester..... | 293 85 |
| South street..... | West Roxbury..... | 260 00 |

| STREET | DISTRICT | ASSESSMENT |
|------------------------|-------------------|-------------------|
| Sparrow street..... | West Roxbury..... | \$67 23 |
| Stimson street..... | West Roxbury..... | 172 00 |
| V.F.W. Parkway..... | West Roxbury..... | 308 50 |
| Vallaro road..... | West Roxbury..... | 210 65 |
| Warren avenue..... | Hyde Park..... | 53 76 |
| Washington street..... | Dorchester..... | 84 86 |
| Willow court..... | Dorchester..... | 975 00 |
| | | <u>\$9,080 11</u> |

During the year 1964, the Highway Division of the Public Works Department sent notice of completion of sidewalks in thirty-six (36) streets at a total cost of \$461,038.09. On this the Public Improvement Commission levied assessments of \$113,595.17.

STREET ASSESSMENTS

| STREET | District | Cost | Assessment |
|---------------------------|--------------|--------------|-------------|
| Bradlee street..... | Hyde Park | \$62,504 46 | \$19,297 00 |
| Buckingham street..... | Hyde Park | 12,708 90 | 5,109 00 |
| Coffey street..... | Dorchester | 17,417 00 | 4,259 28 |
| Itasca street..... | Dorchester | 44,668 26 | 12,454 20 |
| Kiernan road..... | West Roxbury | 19,108 55 | 5,887 48 |
| Messinger street..... | Dorchester | 20,604 46 | 6,941 51 |
| Northdale road..... | West Roxbury | 43,015 91 | 17,735 98 |
| Soldiers Field place..... | Brighton | 30,948 32 | 13,056 99 |
| Webb park..... | South Boston | 3,383 05 | 1,173 00 |
| Totals..... | | \$254,358 91 | \$85,914 44 |

SEWER ASSESSMENTS

| STREET | District | Cost | Assessment |
|-----------------------------|------------|-------------|-------------|
| Beaver street..... | Hyde Park | \$10,438 30 | \$2,500 00 |
| Beechmont street..... | Hyde Park | 4,291 10 | 2,142 00 |
| Glenmore street..... | Dorchester | 2,962 40 | 2,400 00 |
| Itasca street..... | Dorchester | 7,365 00 | 5,021 60 |
| Parker street..... | Hyde Park | 2,092 79 | 1,693 79 |
| Red Pine street..... | Hyde Park | 6,854 71 | 2,919 15 |
| Stoughton Street place..... | Dorchester | 3,639 38 | 1,400 00 |
| Westminster street..... | Hyde Park | 1,568 18 | 739 11 |
| Totals..... | | \$39,211 86 | \$18,815 65 |

SIDEWALK ASSESSMENTS

| STREET | District | Cost | Assessments |
|--------------------------|------------------|--------------|--------------|
| Albion street..... | Hyde Park..... | \$10,618 93 | \$2,301 00 |
| Arlington street..... | Brighton..... | 1,504 26 | 1,269 20 |
| Arthur street..... | Brighton..... | 1,702 04 | 955 50 |
| Ashland street..... | Dorchester..... | 8,500 20 | 2,775 00 |
| Bagnal street..... | Brighton..... | 4,418 41 | 832 53 |
| Beach street..... | Dorchester..... | 11,878 40 | 4,543 00 |
| Blanche street..... | Dorchester..... | 2,486 20 | 1,206 00 |
| Bonad road..... | West Roxbury.... | 8,328 51 | 1,085 00 |
| Call street..... | West Roxbury.... | 2,583 28 | 1,260 48 |
| Clifford street..... | Hyde Park..... | 9,319 03 | 2,304 80 |
| Clive street..... | West Roxbury.... | 236 60 | 264 50 |
| Colbert street..... | West Roxbury.... | 6,896 12 | 2,095 75 |
| East Seventh street..... | South Boston.... | 746 10 | 250 00 |
| Eliot street..... | West Roxbury.... | 4,659 54 | 1,769 90 |
| Fern street..... | Brighton..... | 1,124 58 | 457 00 |
| Franklin street..... | Brighton..... | 17,255 81 | 7,732 80 |
| Herrick street..... | Brighton..... | 3,735 74 | 1,692 49 |
| Hillock street..... | West Roxbury.... | 7,164 45 | 3,341 96 |
| Homer street..... | East Boston.... | 8,045 85 | 2,640 19 |
| Homewood road..... | West Roxbury.... | 4,557 30 | 1,535 99 |
| Huntington avenue..... | Hyde Park..... | 36,642 54 | 16,099 00 |
| Lamson street..... | East Boston.... | 1,391 40 | 541 99 |
| Lexington avenue..... | Hyde Park..... | 18,574 50 | 9,265 35 |
| Lincoln street..... | Dorchester..... | 685 86 | 400 00 |
| Mill street..... | Dorchester..... | 16,489 85 | 5,210 00 |
| Monastery road..... | Brighton..... | 893 20 | 438 00 |
| Murdock street..... | Brighton..... | 16,719 77 | 10,278 33 |
| Pond Circle..... | West Roxbury.... | 10,380 13 | 5,171 37 |
| Ravenna road..... | West Roxbury.... | 9,975 44 | 3,229 00 |
| Robeson street..... | West Roxbury.... | 15,769 68 | 5,835 00 |
| Rockmere street..... | Dorchester..... | 4,267 71 | 1,365 00 |
| Sagamore street..... | Dorchester..... | 3,181 42 | 922 50 |
| Strathmore road..... | Brighton..... | 6,903 58 | 2,943 00 |
| Union street..... | Brighton..... | 5,006 73 | 2,794 34 |
| Winslow street..... | Hyde Park..... | 6,481 23 | 2,261 00 |
| Wordsworth street..... | East Boston.... | 1,919 95 | 6,528 20 |
| Totals..... | ..... | \$461,038 09 | \$113,595 17 |

LAND DAMAGES

During the period of this report 177 petitions for public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 86 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

| STREET | Petitioner | Nature of Petition |
|-------------------------------------|------------------------------|-----------------------|
| Albion street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Am. Legion H'way, West Roxbury | Boston Gas Company | Underground gas main |
| Badger road, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Bennington street, East Boston | Boston Gas Company | Underground gas main |
| Bennington street, East Boston | Boston Gas Company | Underground gas main |
| Bennington street, East Boston | Noddle Isle Liquors | Illuminated sign |
| Bennington street, East Boston | Ben Havre Liquors | Illuminated sign |
| Berkeley street, Boston Proper | First Church of Boston | Steps, etc. |
| Berkeley street, Boston Proper | Boston Edison Company | Conduit |
| Binney street, Roxbury | N. E. Deaconess Hospital | Tunnel |
| Blossom street, Boston Proper | Boston Edison Company | Conduit |
| Blossom street, Boston Proper | Boston Edison Company | Conduit |
| Blossom street, Boston Proper | Boston Gas Company | Underground gas main |
| Blue Hill avenue, Dorchester | Dorchester Savings Bank | Illuminated signs |
| Blue Hill avenue, etc., Dorchester | Boston Gas Company | Underground gas main |
| Boylston street, Boston Proper | Boston Edison Company | Conduit |
| Boylston street, West Roxbury | Boston Gas Company | Underground gas main |
| Boylston street, Boston Proper | Hotel Touraine | Illuminated sign |
| Bowdoin street, Dorchester | Boston Gas Company | Underground gas main |
| Bradlee street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Brayton road, Brighton | Boston Gas Company | Underground gas main |
| Brighton avenue, Brighton | Northeast Realty Corporation | Marquee |
| Broadway, Boston Proper | Nile Restaurant | Illuminated sign |
| Cambria street, etc., Boston Proper | Cambria Scotia Company | Foundation piles |
| Cambria street, Boston Proper | Cambria Scotia Company | Gas separator manhole |
| Cambridge street, Boston Proper | Boston Edison Company | Conduit |
| Cambridge street, Boston Proper | Boston Edison Company | Conduit |
| Carver street, Boston Proper | Reid Hotel | Awning |
| Cataumet street, West Roxbury | Boston Gas Company | Underground gas main |
| Coleman street, Dorchester | Boston Gas Company | Underground gas main |
| Columbus avenue, Roxbury | Boston Gas Company | Underground gas main |
| Columbus avenue, Boston Proper | Galvin's Luncheon | Awning |

| STREET | Petitioner | Nature of Petition |
|--|-----------------------------|------------------------|
| Columbus avenue, Roxbury | Boston Gas Company | Underground gas main |
| Commonwealth avenue, Boston Proper | Boston University | Underground steam main |
| Commonwealth avenue, Brighton | Boston Gas Company | Underground gas main |
| Crestwood park, Roxbury | Boston Gas Company | Underground gas main |
| Dalton street, Boston Proper | Boston Gas Company | Underground gas main |
| Devonshire street, Boston Proper | Boston Edison Company | Conduit |
| Devonshire street, etc., Boston Proper | Boston Edison Company | Fuel oil lines |
| Dorchester street, South Boston | J & J Liquor Company | Illuminated sign |
| East First street, etc., Boston Proper | Boston Edison Company | Fuel oil lines |
| Fawndale road, West Roxbury | Boston Gas Company | Underground gas main |
| Freeman avenue, etc., West Roxbury | Boston Gas Company | Underground gas main |
| Gordon avenue, Hyde Park | Worcester Gas Light Company | Underground gas main |
| High street, Boston Proper | Boston Edison Company | Conduit |
| High street, Boston Proper | Boston Edison Company | Conduit |
| Humboldt avenue, Roxbury | Boston Gas Company | Underground gas main |
| Huntington avenue, Boston Proper | Boston Edison Company | Conduit |
| Hyde Park avenue, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Iola street, Dorchester | Boston Gas Company | Underground gas main |
| Jacob street, Dorchester | Boston Gas Company | Underground gas main |
| Jeffries street, etc., East Boston | Boston Gas Company | Underground gas main |
| Kingsland road, West Roxbury | Boston Gas Company | Underground gas main |
| La Grange street, Boston Proper | Edward's Restaurant | Illuminated arrow |
| Lehigh street, Boston Proper | Boston Gas Company | Wooden standard pole |
| Lourdes avenue, West Roxbury | Boston Gas Company | Underground gas main |
| Lucerne street, Dorchester | Boston Gas Company | Underground gas main |
| Manning street, West Roxbury | Boston Gas Company | Underground gas main |
| Maple Terrace Ext., West Roxbury | Alex. Hamilton Homes | Open for public travel |
| Milk street, Boston Proper | Boston Edison Company | Conduit |
| Newbury street, Boston Proper | Boston Edison Company | Conduit |
| Newbury street, Boston Proper | Boston Edison Company | Conduit |
| Newbury street, Boston Proper | Boston Edison Company | Conduit |
| Newmarket square, Roxbury | Boston Gas Company | Underground gas main |
| Nikisch avenue, etc., West Roxbury | Boston Gas Company | Underground gas main |
| Parkman street, Boston Proper | Mass. Gen. Hospital | Underground steam main |
| Pilgrim road, Roxbury | N. E. Deconess Hospital | Tunnel |
| Prospect street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Public Alley, Boston Proper | Boston Edison Company | Conduit |
| Reservation road, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Ritchie street, Roxbury | Boston Gas Company | Underground gas main |
| Robken road West Roxbury | Boston Gas Company | Underground gas main |

| Street | Petitioner | Nature of Petition |
|--------------------------------|-----------------------------|----------------------|
| Roxbury street, Roxbury | C & O Insurance Company | Illuminated sign |
| Russett road, West Roxbury | Boston Gas Company | Underground gas main |
| Safford street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Seymour street, West Roxbury | Boston Gas Company | Underground gas main |
| Shawmut avenue, Boston Proper | S. E. Glass Company | Plain sign |
| Somerset street, Boston Proper | Boston Edison Company | Conduit |
| Stuart street, Boston Proper | Four Corners Lounge, Inc. | Canopy |
| Summer street, Boston Proper | Berenson Liquor Mart | Illuminated sign |
| Townsend street, Roxbury | Boston Gas Company | Underground gas main |
| Tremont street, Boston Proper | Waldorf Lunch | 3 illuminated signs |
| Tremont street, Boston Proper | Waldorf Lunch | Plain sign |
| Warren street, Roxbury | Al's Factory Outlet | Awning |
| Woodland road, West Roxbury | Boston Gas Company | Underground gas main |

PRIVATE WAYS

During the year 1964, permission was given to prepare for public travel the following private ways:

Blueview Circle, West Roxbury, from Blueview road approximately 330 feet southerly.

Blueview road, West Roxbury, from Woodley avenue to Boundary road.

Brandywyne Drive, East Boston, from Saratoga street to Saratoga street.

Brandywyne terrace, East Boston, from Brandywyne Drive approximately 290 feet westerly.

Cataumet street, West Roxbury, from a point approximately 270 feet northeast of Pond street approximately 200 feet northeasterly.

Coleman street, Hyde Park, from a point approximately 341 feet northeast of Cleveland street approximately 140 feet northeasterly.

Cedarcrest Circle, West Roxbury, from Cedarcrest road approximately 540 feet easterly.

Cedarcrest road, West Roxbury, from Woodley avenue approximately 340 feet southeasterly.

Crest street, West Roxbury, from a point approximately 340 feet southwest of Houston street approximately 140 feet southwestly.

Delore Circle, West Roxbury, from Seymour street approximately 150 feet northeasterly.

Edson terrace, Hyde Park, from Edson street approximately 90 feet northwesterly.

Genevieve Way, Dorchester, from Adams street approximately 485 feet northerly and easterly.

Hardwick terrace, Brighton, from Hardwick street approximately 109 feet northeasterly.

Hutchinson street, Dorchester, from Brookvale street approximately 139 feet southeasterly.

Kovey road, Hyde Park, from Raldne road approximately 1,087 feet northeasterly and southeasterly,

Manning street, West Roxbury, from a point approximately 186 feet northeast of Gilman street approximately 229 feet northeasterly and easterly.

Mansen road, Hyde Park, from Kovey road approximately 796 feet northerly, westerly and northwesterly.

New Haven street, West Roxbury, from a point approximately 166 feet northeast of Stimson street approximately 110 feet northeasterly.

Palermo street, East Boston, from Leverett avenue to Palermo avenue and from Lawn avenue to Swan avenue.

Pleasant Valley Circle, West Roxbury, from West Roxbury Parkway approximately 450 feet easterly.

Prospect Circle, Hyde Park, from Prospect street approximately 190 feet southeasterly.

Ralston road, Hyde Park, from Greenfield road to Raleigh road.

Schubert street, West Roxbury, from Washington street approximately 200 feet northwesterly.

Sierra road, Hyde Park, from a point approximately 200 feet north of Neponset Valley Parkway approximately 918 feet northerly and northwesterly to Wolcott street.

Starbird avenue, West Roxbury, from Byrd avenue approximately 300 feet northeasterly.

Summit Circle, Hyde Park, from Summit street approximately 190 feet southeasterly.

Thompson street, Hyde Park, from a point approximately 913 feet southwest of Franklin street approximately 62 feet southwestly.

Thorn street, Hyde Park, from River street approximately 260 feet northeasterly.

During the same period, permission was given to open for public travel the following private ways:

Bradlee court, Hyde Park, from Bradlee street approximately 235 feet easterly.

Bradlee Lane, Hyde Park, from Bradlee street approximately 235 feet easterly.

Bradlee park, Hyde Park, from Bradlee street approximately 235 feet easterly.

Crosstown avenue, West Roxbury, from Vogel street approximately 240 feet easterly.

Cypress terrace, West Roxbury, from Cypress street approximately 290 feet southerly.

Leverett avenue, East Boston, from Bennington street to approximately 280 feet southeasterly.

Maple terrace extension, West Roxbury, from a point approximately 215 feet northeast of Maple terrace approximately 95 feet northeasterly.

Milton terrace, Hyde Park, from Milton avenue approximately 345 feet northeasterly.

Orlando street, Dorchester, from Monterey avenue approximately 370 feet southwesterly.

Partridge street, West Roxbury, from Maplewood street to Sparrow street.

Raldne road, Hyde Park, from Stonehill road to Turtle Pond Parkway.

Rockwood terrace, West Roxbury, from Rockwood street approximately 480 feet easterly and southerly.

Running Brook road, West Roxbury, from Westmoor road approximately 1,270 feet northerly and southeasterly to Woodley avenue.

Silvia court, Hyde Park, from Raldne road approximately 300 feet westerly.

Westmoor road, West Roxbury, from Running Brook road approximately 340 feet southeasterly.

SUMMARY

In addition to the normal volume of Boston street and sewer improvements, this Commission worked closely with the agencies concerned with the New Boston such as Boston Redevelopment Authority, Massachusetts Turnpike Authority, Massachusetts Department of Public Works, other City departments, Prudential Center, and other private developments.

For example, the first phase of the WASHINGTON PARK DEVELOPMENT resulted in the discontinuance of certain streets in that area, the layout of new public streets, and the widening of existing public streets, such as Humboldt Avenue, Charlame Street, Bower Street, etc.

The new design for COPLEY SQUARE required this Commission's action for the discontinuance of that portion of Huntington Avenue and the widening and specific repairs in adjacent streets.

Although only minor changes were made in the GOVERNMENT CENTER AREA, much preliminary planning for the new street pattern in this area was under discussion during the year.

At the PRUDENTIAL CENTER, minor improvements were made this year in the surrounding area to improve the traffic pattern in anticipation of the new Turnpike and in an attempt to coordinate with the proposed Christian Science Church new complex which, as yet, has not been made public.

Other private developments required this Commission's attention and action during the year, most important of which were for the proposed addition to the Gillette Company in South Boston and high-rise apartment houses in downtown Boston.

Interestingly enough, in the midst of Boston's renaissance, there were two major restoration projects aimed at retaining Boston's old charm and flavor; namely, the "Old Corner Book Store" at Washington and School Streets, and the original Bulfinch-designed St. Stephen's Church on Hanover Street. Both projects required the discontinuance of portions of the public highway.

The new ZONING CODE which went into effect on December 30, 1964, resulted in a "rush" of sewer and water petitions from developers who were anxious to obtain approval before the deadline date. This, of course, increased the clerical and engineering workload.

Another major change in the law — amendments to Chapter 79 of the General Laws — became effective on November 1, 1964. These amendments resulted in several changes in our procedure on Eminent Domain, most important of which is the necessity of determining amount of damages *prior* to the recording of a taking in the Suffolk Registry of Deeds.

The year 1964 brought about many public improvements in the City of Boston including those projects already under way, those started during the year, or contemplated for the coming year. This Commission is already geared to meet future improvements contemplated for next year in the Government Center street complex, Christian Science new complex, completion of the Turnpike ramps, Washington Park and West End Developments, Copley Square redesign, and the Water-front project.

JAMES W. HALEY, *Chairman*,
THOMAS F. CARTY,
JAMES J. SULLIVAN, JR.

Michael J. Corrao,
Executive Secretary

APPENDIX A

GENERAL ORDERS

APPENDIX B

CENTRAL OFFICE

DEPARTMENTAL PERSONNEL

TABLE 1 — Grade and Number of Employees

TABLE 2 — Number Actually Employed

TABLE 3 — Appointments, Transfers, Deaths, etc.

LOAN ORDERS — OUTSTANDING DEBT

TABLE 1 — Public Ways

TABLE 2 — Sewerage Works

TABLE 3 — Bridges

AUTOMOTIVE EQUIPMENT

TABLE 1 — List as of December 31, 1964

TABLE 2 — Added or Ordered in 1964

PERMITS

TABLE 1 — Permits Issued and Cash Receipts

The records of the department show that there are now 1,450 positions in the several divisions, and of that number 1,364 permanent employees were on the January 2, 1965, payrolls.

APPENDIX B

TABLE 1
GRADE AND NUMBER OF EMPLOYEES

| TITLE | Central Office | Maintenance Branch, Central Office | Highway | Sanitary | Sewer | Engineering | Water | Total |
|--|-------------------|--|---------|----------|-------|-------------|-------|-------|
| Administrative assistant | 2 | — | — | — | — | — | — | 2 |
| Assistant civil engineer | — | — | 10 | — | 5 | 14 | 1 | 30 |
| Assistant drawtender | — | — | 35 | — | — | — | — | 35 |
| Assistant sewer pumping station operator | — | — | — | — | 4 | — | — | 4 |
| Assistant superintendent | — | — | 1 | — | — | — | 1 | 2 |
| Assistant supervisor | — | — | 1 | — | — | — | — | 1 |
| Associate civil engineer | — | — | 2 | — | 2 | 2 | 1 | 7 |
| Cashier and weigh clerk | — | — | — | 1 | — | — | — | 1 |
| Chief communication equipment operator | — | 1 | — | — | — | — | — | 1 |
| Chief electrician | — | — | 1 | — | — | — | — | 1 |
| Chief inspector | — | — | 1 | — | — | — | — | 1 |
| Chief sewer pumping station operator | — | — | — | — | 1 | — | — | 1 |
| Chief water meter reader | — | — | — | — | — | — | 1 | 1 |
| Clerk | — | — | — | — | — | — | 2 | 2 |
| Clerk and stenographer | — | — | — | 1 | — | — | — | 1 |
| Clerk and typist | — | — | — | 1 | — | 1 | 3 | 5 |
| Commissioner of Public Works | 1 | — | — | — | — | — | — | 1 |
| Communication equipment operator | — | 3 | — | — | — | — | — | 3 |
| Constable | 1 | — | — | — | — | — | — | 1 |
| Crane operator | — | — | — | 11 | — | — | — | 11 |
| Director of Transportation | — | 1 | — | — | — | — | — | 1 |
| District foreman | — | — | — | — | — | — | 1 | 1 |
| Division engineer | — | — | 1 | 1 | 1 | 1 | 1 | 5 |
| Drawtender | — | — | 4 | — | — | — | — | 4 |
| Electrician | — | — | 1 | 1 | — | — | — | 2 |
| Electrician-operator | — | — | — | — | 2 | — | — | 2 |
| Exec. secretary (PIC) | 1 | — | — | — | — | — | — | 1 |
| First assistant drawtender | — | — | 17 | — | — | — | — | 17 |

TABLE 1
GRADE AND NUMBER OF EMPLOYEES — Continued

| TITLE | Central Office | Maintenance Branch, Central Office | Highway | Sanitary | Sewer | Engineering | Water | Total |
|--|----------------|------------------------------------|---------|----------|-------|-------------|-------|-------|
| Garage attendant..... | — | 4 | — | — | — | — | — | 4 |
| Garage foreman..... | — | 3 | — | — | — | — | 1 | 4 |
| General foreman..... | — | 2 | — | — | — | — | — | 2 |
| Head account clerk..... | — | — | — | — | — | — | 1 | 1 |
| Head administrative clerk..... | 1 | 1 | 1 | 1 | — | 1 | — | 5 |
| Head clerk..... | 2 | — | 1 | — | 1 | — | 3 | 7 |
| Head clerk and secretary..... | 1 | — | — | — | — | — | — | 1 |
| Head permit investigator..... | 1 | — | — | — | — | — | — | 1 |
| Head photostat operator..... | — | — | — | — | — | 1 | — | 1 |
| Heavy motor equipment operator..... | — | 2 | 64 | 12 | 1 | — | 16 | 95 |
| Heavy motor equipment repairman..... | — | 8 | — | — | — | — | — | 8 |
| Inspector..... | — | — | 70 | 34 | 11 | — | 17 | 132 |
| Investigator..... | 4 | — | — | — | — | — | — | 4 |
| Junior civil engineer..... | — | — | 3 | — | — | 6 | 1 | 10 |
| Junior engineering aid..... | — | — | 6 | — | — | 1 | 1 | 8 |
| Laborer..... | — | — | 300 | 26 | 15 | — | 32 | 373 |
| Laborer (incinerator)..... | — | — | — | 22 | — | — | — | 22 |
| Maintenance mechanic (blacksmith)..... | — | 4 | — | — | — | — | — | 4 |
| Maintenance mechanic (bricklayer)..... | — | — | — | — | — | — | 1 | 1 |
| Maintenance mechanic (carpenter)..... | — | 4 | 6 | — | — | — | — | 10 |
| Maintenance mechanic (machinist)..... | — | — | 3 | — | — | — | 11 | 14 |
| Maintenance mechanic (mason)..... | — | — | — | — | 1 | — | — | 1 |
| Maintenance mechanic (millwright)..... | — | — | — | 2 | 2 | — | — | 4 |
| Maintenance mechanic (painter)..... | — | 2 | 1 | — | — | — | — | 3 |
| Maintenance mechanic (plumber)..... | — | — | — | — | — | — | 15 | 15 |
| Maintenance mechanic (sheet metal worker)..... | — | 1 | — | — | — | — | — | 1 |
| Maintenance mechanic (welder)..... | — | 4 | — | — | — | — | — | 4 |
| Maintenance mechanic foreman (carpenter)..... | — | 1 | — | — | — | — | — | 1 |
| Maintenance mechanic foreman (machinist)..... | — | — | — | — | — | — | 1 | 1 |
| Maintenance mechanic foreman (millwright)..... | — | — | — | 1 | — | — | — | 1 |
| Maintenance mechanic foreman (welder)..... | — | 1 | — | — | — | — | — | 1 |
| Maintenance mechanic helper..... | — | 7 | — | — | — | — | 8 | 15 |
| Maintenance foreman..... | — | — | 5 | — | 4 | — | — | 9 |
| Maintenance man..... | — | 13 | — | 2 | — | — | — | 15 |

TABLE 1
GRADE AND NUMBER OF EMPLOYEES — Continued

| TITLE | Central Office | Maintenance Branch, Central Office | Highway | Sanitary | Sewer | Engineering | Water | Total |
|--|----------------|--|---------|----------|-------|-------------|-------|-------|
| Motor equipment operator..... | — | 1 | 61 | 8 | 10 | — | 5 | 85 |
| Motor equipment repair foreman..... | — | 4 | — | — | — | — | — | 4 |
| Motor equipment repairman..... | — | 13 | — | — | — | — | — | 13 |
| Pavers..... | — | — | 14 | — | — | — | — | 14 |
| Personnel assistant..... | 1 | — | — | — | — | — | — | 1 |
| Photographer..... | — | — | — | — | — | 1 | — | 1 |
| Principal account clerk..... | 5 | 1 | 1 | 1 | — | — | 4 | 12 |
| Principal civil engineer..... | — | — | — | 2 | 1 | 3 | — | 6 |
| Principal clerk..... | — | — | — | 1 | 1 | — | 6 | 8 |
| Principal clerk and stenographer..... | — | — | 1 | — | — | — | — | 1 |
| Principal clerk and typist..... | 4 | 1 | 1 | — | — | 1 | 3 | 10 |
| Principal electrical engineer..... | — | — | 1 | — | — | — | — | 1 |
| Principal photostat operator..... | — | — | — | — | — | 1 | — | 1 |
| Principal storekeeper..... | — | 1 | — | — | — | — | 1 | 2 |
| Sanitation foreman..... | — | — | — | 1 | — | — | — | 1 |
| Senior account clerk..... | 1 | — | — | — | — | — | 2 | 3 |
| Senior accounting machine operator..... | — | — | — | — | — | — | 1 | 1 |
| Senior administrative assistant..... | 1 | — | — | — | — | — | — | 1 |
| Senior cashier..... | 1 | — | — | — | — | — | — | 1 |
| Senior civil engineer..... | — | — | 2 | — | 2 | 1 | — | 5 |
| Senior clerk..... | — | — | — | — | — | — | 5 | 5 |
| Senior clerk and stenographer..... | 1 | — | 2 | 1 | — | — | 2 | 6 |
| Senior clerk and typist..... | 4 | 1 | 2 | — | 1 | — | 2 | 10 |
| Senior engineering aid..... | — | — | 5 | — | 2 | 4 | — | 11 |
| Senior personnel officer..... | 1 | — | — | — | — | — | — | 1 |
| Senior storekeeper..... | — | 1 | — | — | — | — | — | 1 |
| Sewer cleaner..... | — | — | — | — | 6 | — | — | 6 |
| Sewer gateman..... | — | — | — | — | 8 | — | — | 8 |
| Sewer pumping station operator..... | — | — | — | — | 4 | — | — | 4 |
| Sewer service repairman..... | — | — | — | — | 3 | — | — | 3 |
| Sign painter and letterer..... | — | 1 | — | — | — | — | — | 1 |
| Special heavy motor equipment operator.... | — | 1 | 5 | 4 | 3 | — | 2 | 15 |
| Special water meter reader..... | — | — | — | — | — | — | 4 | 4 |
| Steam fireman..... | — | — | — | 1 | 5 | — | — | 6 |

TABLE 1
GRADE AND NUMBER OF EMPLOYEES — Concluded

| TITLE | Central Office | Maintenance Branch, Central Office | Highway | Sanitary | Sewer | Engineering | Water | Total |
|------------------------------------|----------------|--|---------|----------|-------|-------------|-------|-------|
| Steam fireman (incinerator)..... | — | — | — | 5 | — | — | — | 5 |
| Stoker..... | — | — | — | 22 | — | — | — | 22 |
| Storekeeper..... | — | — | 1 | — | — | — | 1 | 2 |
| Superintendent..... | — | 1 | 2 | 2 | 1 | — | 1 | 7 |
| Supervisor..... | 1 | 2 | 13 | 6 | 1 | — | 6 | 29 |
| Water meter reader..... | — | — | — | — | — | — | 20 | 20 |
| Water meter repairman..... | — | — | — | — | — | — | 11 | 11 |
| Water service maintenance man..... | — | — | — | — | — | — | 21 | 21 |
| Water service repairman..... | — | — | — | — | — | — | 25 | 25 |
| Working foreman..... | — | 1 | 2 | 10 | 7 | — | 18 | 38 |
| Yard clerk..... | — | — | — | 3 | 1 | — | 5 | 9 |
| Yardmaster..... | — | — | — | — | — | — | 1 | 1 |
| Total..... | 34 | 91 | 647 | 183 | 106 | 38 | 265 | 1,364 |

TABLE 2
NUMBER OF EMPLOYEES ACTUALLY EMPLOYED JANUARY 1, 1964 AND JANUARY 1, 1965

| | Central Office | Highway | Sanitary | Sewer | Engineering | Water | Total |
|-----------------|-------------------|---------|----------|-------|-------------|-------|-------|
| January 1, 1964 | 134 | 646 | 184 | 107 | 36 | 273 | 1,380 |
| January 1, 1965 | 125 | 647 | 183 | 106 | 38 | 265 | 1,364 |

Total Eligible Force

| | | | | | | | |
|-----------------|-----|-----|-----|-----|----|-----|-------|
| January 1, 1964 | 125 | 685 | 200 | 122 | 60 | 288 | 1,480 |
| January 1, 1965 | 120 | 680 | 190 | 120 | 60 | 280 | 1,450 |

OUTSTANDING BONDED DEBT

TABLE 1

PUBLIC WAYS—CONSTRUCTION OF

| Outside Debt Limit | Issued | Series Due | Amount |
|--------------------|--------|------------|-------------|
| 1½S..... | 1954 | 10/1/64 | \$200,000 |
| 2¼S..... | 1955 | 4/1/65 | 400,000 |
| 3S..... | 1956 | 11/1/62-66 | 300,000 |
| 3S..... | 1957 | 5/1/67 | 400,000 |
| 5S..... | 1957 | 5/1/67 | 200,000 |
| 5S..... | 1958 | 10/1/68 | 500,000 |
| 4S..... | 1959 | 11/1/69 | 900,000 |
| 3½S..... | 1960 | 11/1/70 | 1,400,000 |
| 3S..... | 1961 | 11/1/71 | 1,250,000 |
| 2¾S..... | 1962 | 4/1/72 | 1,530,000 |
| 3¼S..... | 1963 | 4/1/73 | 800,000 |
| 3¼S..... | 1963 | 4/1/73 | 1,700,000 |
| Total..... | ..... | ..... | \$9,580,000 |

TABLE 2
SEWERAGE WORKS

| Inside Debt Limit | Issued | Series Due | Amount |
|------------------------|--------|------------|-------------|
| 3 $\frac{1}{4}$ S..... | 1934 | 11/1/64 | \$25,000 |
| 3S..... | 1937 | 9/1/67 | 15,000 |
| 2 $\frac{3}{4}$ S..... | 1937 | 12/1/67 | 20,000 |
| 2 $\frac{3}{4}$ S..... | 1938 | 6/1/68 | 80,000 |
| 1 $\frac{3}{4}$ S..... | 1939 | 8/1/69 | 24,000 |
| 1 $\frac{3}{4}$ S..... | 1940 | 7/15/70 | 16,000 |
| 2S..... | 1941 | 12/15/71 | 48,000 |
| 2S..... | 1942 | 12/1/72 | 90,000 |
| 1 $\frac{1}{2}$ S..... | 1943 | 12/1/73 | 100,000 |
| 1 $\frac{1}{4}$ S..... | 1944 | 8/1/74 | 68,000 |
| 1 $\frac{1}{4}$ S..... | 1945 | 12/1/75 | 156,000 |
| 1 $\frac{1}{4}$ S..... | 1946 | 7/1/76 | 260,000 |
| 1 $\frac{3}{4}$ S..... | 1947 | 5/1/77 | 440,000 |
| 2S..... | 1948 | 12/1/78 | 75,000 |
| 2 $\frac{1}{4}$ S..... | 1949 | 12/1/79 | 430,000 |
| 1 $\frac{1}{2}$ S..... | 1949 | 11/1/79 | 240,000 |
| 1 $\frac{3}{4}$ S..... | 1950 | 6/1/80 | 290,000 |
| 1 $\frac{3}{4}$ S..... | 1951 | 10/1/71 | 200,000 |
| Total. .... | ..... | ..... | \$2,577,000 |

TABLE 2
SEWERAGE WORKS, CONTINUED

| Outside Debt Limit | Issued | Series Due | Amount |
|--------------------|--------|------------|-------------|
| 2½S..... | 1952 | 10/1/72 | \$225,000 |
| 2¼S..... | 1953 | 10/1/73 | 500,000 |
| 2S..... | 1955 | 3/1/75 | 300,000 |
| 2½S..... | 1955 | 10/1/75 | 300,000 |
| 3½S..... | 1957 | 5/1/77 | 350,000 |
| 3½S..... | 1957 | 10/1/77 | 350,000 |
| 3¾S..... | 1960 | 11/1/79 | 400,000 |
| 3½S..... | 1960 | 11/1/80 | 425,000 |
| 3S..... | 1961 | 11/1/81 | 350,000 |
| 3S..... | 1962 | 11/1/82 | 485,000 |
| 3¼S..... | 1963 | 11/1/83 | 500,000 |
| Total..... | | | \$4,285,000 |

APPOINTMENTS, TRANSFERS, RESIGNATIONS, RETIREMENTS, DEATHS, ETC., OF
EMPLOYEES

| Appointed | Reinstated | Transferred from Other Departments | Transferred from Other Services | January 1, 1965 | Services 1964-1965 | January 1, 1964 | Resigned | Discharged | Transferred to Other Services | Transferred to Other Departments | Retired | Died |
|-----------|------------|------------------------------------|---------------------------------|-----------------|---------------------|-----------------|----------|------------|-------------------------------|----------------------------------|---------|------|
| 3 | — | 1 | 3 | 125 | Central Office..... | 134 | — | 4 | 3 | 1 | 8 | — |
| 64 | — | 2 | 1 | 647 | Highway..... | 646 | 8 | 7 | 2 | 7 | 31 | 11 |
| 15 | 2 | — | 2 | 183 | Sanitary..... | 184 | 3 | 4 | 1 | 1 | 8 | 3 |
| 10 | 1 | — | 1 | 106 | Sewer..... | 107 | — | 1 | 2 | 1 | 5 | 4 |
| 3 | 1 | — | 1 | 38 | Engineering..... | 36 | 1 | — | 1 | — | — | 1 |
| 12 | 2 | 4 | 1 | 265 | Water..... | 273 | 4 | 3 | 1 | 1 | 12 | 6 |
| 107 | 6 | 7 | 9 | 1,364 | Totals..... | 1,380 | 16 | 19 | 10 | 11 | 64 | 25 |

OUTSTANDING DEBT

The bonded debt for public ways construction amounted to \$9,580,000 and for sewerage works inside the debt limit \$2,577,000 and outside the debt limit \$4,285,000 for a total of \$6,862,000. Bridge debt, reconstruction and repair \$140,000; construction inside debt limit \$180,000 and outside debt limit \$3,720,000 for a total of \$4,040,000.

TABLE 3
BRIDGES—RECONSTRUCTION AND REPAIR

| Inside Debt Limit | Issued | Series Due | Amount |
|--------------------------|--------|------------|-------------|
| | | 6/1/70 | \$140,000 |
| Bridges, Construction of | | | |
| Inside Debt Limit | Issued | Series Due | Amount |
| 1½S..... | | 12/1/65 | \$18,000 |
| Outside Debt Limit | Issued | Series Due | Amount |
| 2S..... | 1952 | 4/1/72 | \$225,000 |
| 2½S..... | 1952 | 10/1/72 | 135,000 |
| 2¾S..... | 1953 | 4/1/73 | 305,000 |
| 2¼S..... | 1954 | 4/1/74 | 760,000 |
| 2S..... | 1955 | 4/1/75 | 300,000 |
| 2¼S..... | 1955 | 10/1/75 | 300,000 |
| 3S..... | 1956 | 11/1/76 | 520,000 |
| 3½S..... | 1957 | 5/1/77 | 140,000 |
| 3¾S..... | 1957 | 10/1/77 | 350,000 |
| 3¼S..... | 1959 | 11/1/79 | 400,000 |
| 3S..... | 1962 | 11/1/82 | 285,000 |
| Total..... | | | \$3,720,000 |

TABLE 1

AUTOMOTIVE EQUIPMENT

The Maintenance Branch is concerned with the repairs and maintenance of the automotive equipment of the Public Works Department, which consisted of the following on December 31, 1964:

| | |
|--------------------------------|----|
| Passenger Cars | 84 |
| Snow-Fighting Trucks | |
| Walter Snow Fighters | 10 |
| F.W.D.Trucks | 3 |
| Oshkosh | 3 |
| Trucks — Ford Model | |
| E-160 | 6 |
| F-250 and 350 | 26 |
| F-500 | 7 |
| F-600 | 17 |
| F-750 | 28 |
| F-800 | 1 |
| F-850 | 65 |
| C-850 | 4 |
| C-950 | 9 |
| C-1100 | 18 |
| Miscellaneous Trucks | |
| Chevrolet | 12 |
| International | 4 |
| Dodge | 4 |
| Willy's | 1 |
| Diamond T | 1 |
| Ford Pick-ups | 10 |
| Truckster | |
| Cushman | 1 |
| Bulldozer | |
| Caterpillar | 3 |
| Tractor-Ford C-1100 | 1 |
| Mechanical Street Sweepers | |
| Wayne | 20 |
| Elgin | 10 |
| Tennont | 2 |

| | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|-----------|
| Compressors | | | | | | | | | |
| Worthington Trailers | . | . | . | . | . | . | . | . | 14 |
| Truck Mounted | . | . | . | . | . | . | . | . | 3 |
| Front End Loaders | | | | | | | | | |
| Trojan | . | . | . | . | . | . | . | . | 11 |
| Haugh | . | . | . | . | . | . | . | . | 15 |
| Michigan | . | . | . | . | . | . | . | . | 4 |
| Roller | | | | | | | | | |
| Galion | . | . | . | . | . | . | . | . | 2 |
| Mobile Cranes | | | | | | | | | |
| Unit Crane | . | . | . | . | . | . | . | . | 1 |
| International (5 ton) | . | . | . | . | . | . | . | . | 1 |
| F-850 | . | . | . | . | . | . | . | . | 4 |
| Flusher Tanks | | | | | | | | | |
| Robinson | . | . | . | . | . | . | . | . | 10 |
| Entyre | . | . | . | . | . | . | . | . | 3 |
| Sand Spreaders | | | | | | | | | |
| Jet | . | . | . | . | . | . | . | . | 10 |
| Baughman | . | . | . | . | . | . | . | . | 6 |
| Fox | . | . | . | . | . | . | . | . | 32 |
| Wrecker | | | | | | | | | |
| Ford C-1100 | . | . | . | . | . | . | . | . | 1 |
| Ford F-600 with derrick | . | . | . | . | . | . | . | . | 1 |
| Ford-850 with derrick | . | . | . | . | . | . | . | . | 1 |
| Ford Aerial Ladder Trucks | . | . | . | . | . | . | . | . | 1 |
| Ford One-Ton Utility | . | . | . | . | . | . | . | . | 1 |
| International 5-Ton Dumps | . | . | . | . | . | . | . | . | 10 |
| International 2-Ton Lumber | . | . | . | . | . | . | . | . | 1 |
| Chevrolet 1½-Ton C.B.C. | . | . | . | . | . | . | . | . | 1 |
| Thermal Snow Melter | . | . | . | . | . | . | . | . | 1 |
| | | | | | | | | | <hr/> 484 |

Plus twenty-three (23) Trailers, Transports, Sewer Rodders, etc.

TABLE 2

NEW EQUIPMENT PURCHASED FROM 1964 APPROPRIATIONS

| | | | | | | |
|------------------------------|---|---|---|---|----------|----|
| 10 International Dump Trucks | . | . | . | . | \$49,500 | 00 |
| 10 Dump Bodies | . | . | . | . | 11,830 | 36 |
| 1 F-350 | . | . | . | . | 5,682 | 00 |
| 14 Falcon Station Wagons | . | . | . | . | 24,682 | 00 |
| 1 C-1100 Dump Truck | . | . | . | . | 7,601 | 00 |
| 4 Dual Control Sweepers | . | . | . | . | 50,691 | 48 |

| | |
|---|--------------|
| 2 Trojan Front End Loaders | \$25,138 96 |
| 4 2,000 gal. Flusher Tanks | 17,197 04 |
| 1 D-7 Tractor | 35,280 00 |
| 6 Chrysler Industrial Motors for Wayne Sweepers | 1,800 90 |
| 1 Roto Power Set (10 ton) | 171 00 |
| 1 6-12 Volt Battery Charger | 129 50 |
| 17 Fire Extinguishers | 861 32 |
| 1 Wisconsin Motor | 428 35 |
| 6 Heavy Duty Slow Marquette Chargers | 446 88 |
| 3 Push Frame Assemblies | 705 60 |
| 2 Frink Plow Models 430 | 1,050 60 |
| | <hr/> |
| | \$233,196 99 |

NEW EQUIPMENT FROM SNOW APPROPRIATIONS

| | |
|---|-------------|
| 10-Two-way Plows | \$11,103 40 |
| 10 Hopper Type Sand Spreaders | 26,597 60 |
| 1 Snow Melter | 38,078 44 |
| 4 Auger Type Sand Spreaders | 13,267 24 |
| 10-One Way Plows | 9,500 00 |
| | <hr/> |
| | \$98,546 68 |

CIVIL DEFENSE LOANS

| | |
|-----------------------------|------------|
| 10-Two Way Radios | \$7,750 00 |
|-----------------------------|------------|

The Central Office—Maintenance Branch, after a thorough investigation and inspection of various sites in New England during snow conditions, recommended the purchase of the Thermal Model 75 Mobile Snow Melter, rated seventy-five (75) tons per hour melting capacity.

This machine has performed very satisfactorily, and has been a decided improvement in the snow removal field.

PERMIT BRANCH—1964

PERMITS AND LICENSES ISSUED

| | |
|---|--------|
| Signs | 6,975 |
| Permits—Openings and Occupation | 9,925 |
| Licenses | 225 |
| Sewer Inspection Fees | 556 |
| Dump Tickets | 9,580 |
| | <hr/> |
| Total | 27,261 |

PERMITS

TABLE 1

CASH RECEIPTS

| | |
|--|---------------------|
| Permits — Signs | \$80,748 49 |
| Permits — Openings and Occupation | 73,807 99 |
| Licenses — Storage and Sale of Merchandise | 26,574 00 |
| Sewer Inspection Fees | 13,900 00 |
| Dump Tickets | 9,580 00 |
| Contract Books | 1,548 00 |
| Engineering and Inspection Fees — Street Opening Account | 115,991 17 |
| Miscellaneous | 23,005 68 |
| Total | <u>\$345,155 33</u> |

COMMITTED ACCOUNTS

| | |
|--|--------------------|
| Rental — City Property Under Control Public Works Department | \$15,941 00 |
| Water Used Through City Hydrants — Water Division | 2,795 60 |
| Towing — Storage — Damage to Property—Maintenance Branch | 911 74 |
| Engineering Reproductions — Engineering Division | 174 00 |
| Damage to Property — Water Division | 5,755 02 |
| Damage to Property — Highway Division | 209 51 |
| Total | <u>\$25,786 87</u> |

DEPOSIT ACCOUNTS

| | |
|--|---------------------|
| Water Deposits | \$127,841 80 |
| Street Opening Account (Drain, Water, etc.) | 114,844 10 |
| Street Opening Account Special (Public Service Corps.) | 354,361 43 |
| Total | <u>\$597,047 33</u> |
| Grand Total | <u>\$967,989 53</u> |

APPENDIX C

ENGINEERING DIVISION

TABLE 1 — Reproductions

TABLE 2 — Survey and Plans

TABLE 3 — Contracts Advertised

TABLE 1
REPRODUCTIONS

The Engineering Records Section is responsible for the operation of the Reproduction and Photographic Unit. This Unit furnished blue prints, ozalid prints, autopsitives and photographs required by the Public Works Department and all other City Departments.

Reproduction Unit Statistics

| DEPARTMENT | Photostats | Blueprints | Ozalids | Auto Positives | Card Stock |
|------------------------------|------------|------------|---------|-------------------|---------------|
| Administrative Services..... | 866 | ..... | 957 | | |
| Assessing..... | 1,048 | ..... | 2,641 | 24 | |
| Auditing..... | 84 | | | | |
| Building..... | 1,538 | ..... | 2,273 | | |
| City Clerk..... | 492 | ..... | 364 | | |
| City Council..... | 1,374 | ..... | 724 | | |
| Civil Defense..... | 188 | | | | |
| Collecting..... | 166 | ..... | 184 | 36 | |
| Election..... | 392 | | | | |
| Finance Commission..... | 28 | | | | |
| Fire..... | 426 | ..... | 193 | | |
| Law..... | 548 | ..... | 87 | | |
| Mayor's Office..... | 1,672 | ..... | 1,245 | | |
| Park..... | 166 | ..... | 347 | | |
| Penal..... | 234 | ..... | 848 | | |
| Planning Board..... | 1,194 | ..... | 462 | | |
| Public Buildings..... | 86 | ..... | 174 | | |
| Public Works: | | | | | |
| Engineering Division..... | 5,492 | 483 | 17,851 | 137 | 46 |
| Central Office..... | 1,682 | ..... | 6,178 | | |
| Highway Division..... | 238 | ..... | 981 | | |
| Permit Section..... | 322 | ..... | 385 | | |
| Sanitary Division..... | 148 | ..... | 266 | | |
| Sewer Division..... | 1,442 | ..... | 1,744 | | |
| Street Lighting..... | 128 | ..... | 494 | | |
| Water Division..... | 864 | ..... | 2,447 | | |
| Real Property..... | 1,568 | ..... | 2,684 | | |
| Registry..... | 2,436 | | | | |
| School Buildings..... | 132 | ..... | 469 | | |
| School Committee..... | 34 | | | | |
| Traffic and Parking..... | 976 | ..... | 2,791 | | |
| Treasury..... | 128 | | | | |
| Veterans' Services..... | 196 | | | | |
| White Fund..... | 492 | ..... | 296 | | |
| Totals..... | 26,780 | 483 | 47,085 | 197 | 46 |

Photographic Unit Statistics

| Unit | Negatives | 4 x 5 Prints | 8 x 10 Prints |
|----------------------------|-----------|--------------|---------------|
| Public Works: | | | |
| Central Office | 390 | ..... | 390 |
| Engineering Division | 468 | ..... | 468 |
| Highway Division | 1,400 | ..... | 1,580 |
| Sanitary Division | 740 | 102 | 740 |
| Sewer Division | 603 | ..... | 603 |
| Water Division | 138 | 80 | 138 |
| Miscellaneous | 462 | 286 | 176 |
| Total | 4,201 | 368 | 4,095 |

TABLE 2

SURVEY SECTION WORK

Following is a report of the major works accomplished by the Survey Section.

Forty-seven (47) surveys and plans were made for laying-out of 4.4 miles of public highways as follows:

| <i>District</i> | <i>Length in Feet</i> |
|---------------------------------|---------------------------|
| BOSTON PROPER | |
| Wesley place | 100 |
| BRIGHTON | |
| Colon street | 681 |
| Everett street | 150 |
| Gerrish street | 440 |
| McDonald avenue | 350 |
| Rushmore street | 375 |
| DORCHESTER | |
| Delhi street | 1,100 |
| Desmond street | 250 |
| Manley street | 270 |
| Newkirk street | 260 |
| Prairie street | 750 |
| Stone terrace | 220 |
| Violet street | 927 |
| Washington street | 100 |
| HYDE PARK | |
| Carlson Circle | 372 |
| Chesterfield street | 800 |
| Cromwell street | 300 |
| Edgewater Drive | 500 |
| Fleet street | 240 |
| Lawton terrace | 220 |
| Norris road | 500 |
| Pleasant street | 250 |
| Providence street | 175 |
| Willow avenue | 376 |
| ROXBURY | |
| Copenger street | 200 |
| SOUTH BOSTON | |
| Richards street | 240 |
| Trilling Way | 375 |
| Mt. Washington avenue | 330 |

| <i>District</i> | <i>Length in Feet</i> |
|------------------------------|---------------------------|
| WEST ROXBURY | |
| Atherton street | 500 |
| Belle avenue | 3,444 |
| Brown terrace | 350 |
| David road | 445 |
| Earnshaw street | 186 |
| Ellswood street | 726 |
| Ethel street | 500 |
| Fawndale road | 1,300 |
| Fessenden street | 200 |
| Glenclyff road | 600 |
| Lillie Way | 350 |
| Macullar road | 400 |
| Manning street | 210 |
| Maplewood street | 1,231 |
| Maria Lane | 400 |
| Partridge street | 610 |
| Salman street | 521 |
| St. Theresa avenue | 1,000 |
| Searle road | 350 |

One hundred and seventy-seven (177) surveys and two hundred and sixteen (216) plans for reconstruction of highways were made as follows: (41.0 miles)

| <i>District</i> | <i>Length in Feet</i> |
|------------------------------|---------------------------|
| BOSTON PROPER | |
| Branch street | 480 |
| Wesley Place | 259 |
| West Cedar street | 3,200 |
| West Newton street | 3,240 |
| BRIGHTON | |
| Arlington street | 2,246 |
| Englewood avenue | 1,630 |
| Eulita terrace | 276 |
| Everett street | 4,604 |
| Franklin street | 2,296 |
| Hobson street | 1,034 |
| Kinross avenue | 613 |
| Mapleton street | 1,149 |
| Murdock street | 2,041 |
| Nonantum street | 2,500 |
| Priscilla road | 492 |
| Raymond street | 1,200 |
| Riverview road | 1,170 |
| Sanderson place | 358 |
| Wallingford road | 1,272 |

| <i>District</i> | <i>Length in Feet</i> |
|---------------------------------|---------------------------|
| CHARLESTOWN | |
| Allston street | 648 |
| Beachman street | 645 |
| Cedar street | 416 |
| Green street | 1,247 |
| Hancock street | 217 |
| Lawnwood place | 233 |
| Ludlow place | 229 |
| School street | 1,053 |
| Sullivan street | 962 |
| Trenton street | 430 |
| DORCHESTER | |
| Alabama street | 1,866 |
| Ashland street | 1,005 |
| Aspinwall road | 1,830 |
| Beach street | 1,600 |
| Bernard street | 8,245 |
| Bellevue street | 1,500 |
| Blanche street | 740 |
| Bowman street | 550 |
| Castlegate road | 460 |
| Charles street | 530 |
| Chelmsford street | 850 |
| Clayton street | 1,550 |
| Columbine street | 242 |
| Corona street | 1,000 |
| DeWolfe street | 380 |
| Ellet street | 420 |
| Ellington street | 1,330 |
| Everdean street | 1,380 |
| Everett street | 640 |
| Evergreen street | 847 |
| Flint street | 450 |
| Florida street | 1,265 |
| Glenway street | 1,161 |
| Granite avenue | 1,700 |
| Green Hill street | 435 |
| Hallowell street | 980 |
| Holiday street | 600 |
| King street | 2,850 |
| Lawrence avenue | 1,270 |
| Lucerne street | 795 |
| Marden avenue | 278 |
| Melbourne street | 867 |
| Mill street | 1,680 |
| Monson street | 520 |
| Montague street | 621 |
| Mount Bowdoin terrace | 900 |

| <i>District</i> | <i>Length in Feet</i> |
|-------------------------------|---------------------------|
| Nahant street | 1,037 |
| Narragansett street | 253 |
| Normandy street | 1,790 |
| Norwell street | 953 |
| Oakley street | 830 |
| Ocean street | 1,315 |
| Parkman street | 1,200 |
| Pasadena road | 800 |
| Remington street | 197 |
| Roslin road | 987 |
| Seaver street | 1,230 |
| Southwick street | 340 |
| Spencer street | 2,200 |
| Standard street | 1,200 |
| Stanwood street | 1,800 |
| Supple road | 1,000 |
| Tiverton street | 520 |
| Tolman street | 880 |
| Tuttle street | 1,163 |
| Verdun street | 500 |
| Westcott street | 750 |
| Westview street | 500 |
| Wheatland avenue | 1,536 |

EAST BOSTON

| | |
|-----------------------------|-------|
| Breed street | 1,184 |
| Brooks street | 2,765 |
| Cottage street | 271 |
| Curtis street | 404 |
| Everett street | 2,529 |
| Ford street | 332 |
| Frankfort street | 300 |
| Horace street | 600 |
| Jeffries street | 450 |
| Lillian street | 232 |
| Marginal street | 2,797 |
| Marion street | 2,485 |
| Maverick street | 4,595 |
| New street | 471 |
| Paris street | 3,576 |
| Porter street | 500 |
| Putnam street | 2,195 |
| Saratoga street | 2,803 |
| Shawsheen street | 535 |
| Teragram street | 468 |
| Trident street | 228 |
| West Eagle street | 1,062 |
| White street | 2,108 |
| Winthrop street | 163 |

| <i>District</i> | <i>Length in Feet</i> |
|-------------------------------|---------------------------|
| HYDE PARK | |
| Arlington street | 2,592 |
| Beaver street | 1,950 |
| Chesterfield street | 480 |
| Child street | 1,990 |
| Collins street | 736 |
| Damon street | 551 |
| Gordon avenue | 1,884 |
| Malta street | 480 |
| Neponset avenue | 2,151 |
| Norway park | 730 |
| Pine street | 550 |
| Pleasantview street | 1,970 |
| Radcliffe road | 1,281 |
| Reservation road | 2,500 |
| Roxana street | 379 |
| West street | 5,953 |
| Winslow street | 450 |
| ROXBURY | |
| Bragdon street | 510 |
| Clearway street | 751 |
| Edgewood street | 1,077 |
| Ernst street | 326 |
| Gardner street | 314 |
| Hillside street | 3,067 |
| Irwin street | 314 |
| Magazine street | 2,100 |
| Miles street | 277 |
| Shattuck street | 1,450 |
| SOUTH BOSTON | |
| C street | 2,701 |
| East Third street | 4,434 |
| Sleeper street | 1,050 |
| WEST ROXBURY | |
| Angell street | 900 |
| Birch street | 1,950 |
| Bonair road | 689 |
| Bowditch road | 772 |
| Brook Farm road | 1,160 |
| Carroll street | 1,196 |
| Chilcott place | 478 |
| Corey street | 7,281 |
| Cowing street | 566 |
| Dresden street | 389 |
| Edgemere road | 1,776 |
| Garnet street | 1,950 |

| <i>District</i> | <i>Length in Feet</i> |
|-----------------------------|---------------------------|
| WEST ROXBURY | |
| Hager street | 240 |
| Halifax street | 971 |
| Hayes street | 546 |
| Holbrook street | 897 |
| Haydn street | 615 |
| Leniston street | 575 |
| Lorraine street | 846 |
| Louder's Lane | 1,672 |
| Macullar road | 431 |
| Midvale street | 620 |
| Montvale street | 1,059 |
| Myrtle street | 1,060 |
| Neponset avenue | 1,018 |
| Nikisch avenue | 800 |
| Paine street | 1,351 |
| Pond View avenue | 693 |
| Rockview street | 1,621 |
| Willowdean avenue | 600 |

Four (4) major surveys were made for the reconstruction program (1.2) miles.

| | |
|-------------------------------|-------|
| HYDE PARK | |
| Reservation road | 2,500 |
| Pleasantview street | 1,970 |

| | |
|---------------------------|-------|
| WEST ROXBURY | |
| Brook Faim road | 1,160 |

| | |
|------------------------|-----|
| BRIGHTON | |
| Kinross road | 613 |

Six (6) surveys and plans were made for discontinuances of 0.25 miles of Public Highways as follows:

| | |
|---|-----|
| BOSTON PROPER | |
| Hanover street | 100 |
| Huntington avenue | 380 |
| Washington and School streets | 150 |

| | |
|--------------------------|-----|
| SOUTH BOSTON | |
| Baldwin street | 240 |
| Granite street | 170 |
| Jay street | 250 |

| <i>District</i> | <i>Length in Feet</i> |
|---|---------------------------|
| BRIGHTON | |
| Lake Shore road (sewer) | 760 |
| Undine road (sewer) | 140 |
| WEST ROXBURY | |
| Morrison street (sewer) | 475 |
| Forty (40) surveys and plans were made for the taking of (3.78 miles) of easements for sewerage and assessment purposes as follows: | |
| BOSTON PROPER | |
| Compton street (utility) | 400 |
| BRIGHTON | |
| Chestnut Hill avenue (assessment) | 520 |
| Euston road (assessment) | 530 |
| Hardwick terrace | 120 |
| Lake Shore road | 1,780 |
| Lake Shore terrace | 240 |
| Undine road (private land) | 81 |
| Western avenue (assessment) | 820 |
| HYDE PARK | |
| Collins street | 250 |
| Draper street | 170 |
| Edgemere road | 200 |
| Edson terrace | 100 |
| Prospect Circle | 200 |
| Ralston road | 350 |
| Sierra road | 1,200 |
| Summit Circle | 190 |
| Thorn street | 360 |
| Vallaro road | 110 |
| Yuletide road | 250 |
| Hyde Park (R.R. land) (water easement) | 4,880 |
| West Boundary road (water easement) | 200 |
| WEST ROXBURY | |
| Belle avenue | 700 |
| Cataumet street | 200 |
| Carol Circle | 450 |
| Cedarcrest Lane | 250 |
| Cedarcrest road | 1,260 |
| Cedarcrest terrace | 240 |
| Clarendon park | 450 |

| <i>District</i> | <i>Length in Feet</i> |
|-------------------------------|---------------------------|
| Cowing street | 440 |
| Crest street | 570 |
| Crosstown avenue | 300 |
| Delore Circle | 160 |
| Eldon street | 100 |
| Franclaire street | 510 |
| Mann street | 120 |
| Manning street | 220 |
| Metropolitan Circle | 170 |
| New Haven street | 275 |
| Ridgecrest Drive | 600 |
| Schubert street | 250 |

Four (4) profiles for highway construction were made as follows: (1.2 miles)

HYDE PARK

| | |
|-------------------------------|-------|
| Reservation road | 2,500 |
| Pleasantview street | 1,970 |

WEST ROXBURY

| | |
|---------------------------|-------|
| Brook Farm road | 1,160 |
|---------------------------|-------|

BRIGHTON

| | |
|------------------------|-----|
| Kinross road | 613 |
|------------------------|-----|

Nine (9) surveys and plans were made for minimum pavements (0.97 miles) as follows:

DORCHESTER

| | |
|--------------------------|-----|
| Orlando street | 300 |
|--------------------------|-----|

HYDE PARK

| | |
|---------------------------|-----|
| Edson street | 400 |
| Garrity terrace | 300 |
| Milton terrace | 400 |

WEST ROXBURY

| | |
|------------------------------|-------|
| Partridge street | 300 |
| Running Brook road | 1,600 |
| Westmoor Circle | 100 |
| Westmoor road | 1,420 |
| Westmoor terrace | 330 |

Six (6) surveys and plans were made for specific repairs and widenings (Chapter 90) as follows: (2.9 miles)

| <i>District</i> | <i>Length in Feet</i> |
|------------------------------|---------------------------|
| BRIGHTON | |
| Lake street | 4,700 |
| DORCHESTER | |
| Adams street | 1,350 |
| HYDE PARK | |
| West Milton street | 2,800 |
| SOUTH BOSTON | |
| East Broadway | 900 |
| L street | 800 |
| WEST ROXBURY | |
| Corey street | 4,500 |

Request for marking line and grade for the following streets:

| | |
|----------------------------|-------|
| BOSTON PROPER | |
| Aberdeen street | 150 |
| Berkeley street | 75 |
| Boylston street | 1,600 |
| Dalton street | 600 |
| Franklin street | 100 |
| Newbury street | 200 |
| Opera place | 300 |
| Somerset street | 150 |
| Staniford street | 200 |
| BRIGHTON | |
| Mapleton street | 1,149 |
| DORCHESTER | |
| Bernard street | 300 |
| HYDE PARK | |
| Albano street | 400 |
| Birchcroft road | 100 |
| Meacham street | 250 |

| <i>District</i> | <i>Length in Feet</i> |
|--------------------------------|---------------------------|
| ROXBURY | |
| Crestwood park | 600 |
| Longwood avenue | 200 |
| Massachusetts avenue | 200 |
| St. Alphonsus street | 250 |
| Warren street | 5,257 |
| Washington street | 443 |
| SOUTH BOSTON | |
| Columbia road | 100 |
| WEST ROXBURY | |
| Charme avenue | 600 |
| Clarendon park | 300 |
| David road | 100 |
| Mossbank footway | 270 |
| Tafthill terrace | 100 |
| Tarleton street | 250 |
| West Boundary road | 600 |

Approximately eleven (11) takings and twenty-six (26) specific repairs were made in connection with Chapter 90 surveys and reconstruction surveys.

Personnel of the survey section were assigned to snow removal operation including supervision, inspection and auditing of hired equipment accounts.

Surveys for engineering reports one hundred and fifty (150) approximately 30 miles.

Points for construction requested (1.1 mile)

| | |
|--------------------------|-------|
| DORCHESTER | |
| Norfolk street | 3,800 |
| ROXBURY | |
| Crestwood park | 600 |
| WEST ROXBURY | |
| March avenue | 488 |
| Robeson street | 1,000 |

Office representatives summoned by the Law Department to appear at Suffolk, Middlesex and Plymouth County Court House Hearings.

Ten (10) plans were made for Law Department action cases in various parts of the city.

TOPOGRAPHIC SURVEYS

*District**Length
in Feet*

BOSTON PROPER

Blagden Street (Public Library)

DORCHESTER

Cushing School

EMINENT DOMAIN TAKINGS (Survey & Plans)

DORCHESTER

Bradshaw Street (school)

Charles Street (school)

CROSS SECTIONS for Sewerage Purposes

HYDE PARK

Dedham Street (private land) 620

Thompson Street 1,500

CHARLESTOWN

Mt. Vernon Street 150

Walker Street 175

ROXBURY

Amory Street 326

WEST ROXBURY

Cedarcrest Road & Circle 800

Hawthorne Road 523

Northdale Road (Private Land) 2,300

DESIGN SECTION
TABLE 3

1964 CONTRACTS ADVERTISED

| CONTRACT | District | Length (Feet) | *Estimated Cost | Date of Bid Opening |
|-------------------------------------|----------|------------------|--------------------|------------------------|
| Construction of and Water Works in: | | | **Bid Price | |
| Beech street | 8 | 498 | \$40,854 00 | 2/13/64 |
| Beechmont street | 8 | 1,254 | 53,142 00 | 2/13/64 |
| and Construction of: | | | | |
| Goff street | 6 | 604 | \$24,908 00 | 2/13/64 |
| Lesieur road | 8 | 180 | 8,254 00 | 2/13/64 |
| Maida terrace | 8 | 224 | 11,585 00 | 2/13/64 |
| New Park avenue | 6 | 397 | 18,074 00 | 2/13/64 |
| Ralwood road | 8 | 326 | 12,837 00 | 2/13/64 |
| Ranley road | 8 | 376 | 16,926 00 | 2/13/64 |
| Highway | | | \$186,580 00 | |
| Water | | | 6,250 00 | |
| | | | *\$192,830 00 | |
| | | | **171,725 40 | |

| Contract | District | Length (Feet) | *Estimated Cost **Bid Price | Date of Bid Opening |
|-------------------------------------|----------|------------------|-----------------------------------|------------------------|
| Reconstruction of: | | | | |
| Bellevue street . | 3 | 810 | \$11,096 00 | 5/14/64 |
| Browning avenue . | 3 | 804 | 8,116 00 | 5/14/64 |
| Castlegate road . | 3 | 449 | 10,075 00 | 5/14/64 |
| Charles street . | 3 | 503 | 10,841 00 | 5/14/64 |
| Corona street . | 3 | 1,001 | 18,081 00 | 5/14/64 |
| East street . | 3 | 1,106 | 12,934 00 | 5/14/64 |
| Ellet street . | 3 | 443 | 9,660 00 | 5/14/64 |
| Everett avenue . | 3 | 500 | 9,156 00 | 5/14/64 |
| Holiday street . | 3 | 1,011 | 16,325 00 | 5/14/64 |
| Mt. Bowdoin terrace | 3 | 882 | 10,222 00 | 5/14/64 |
| Mt. Everett street . | 3 | 754 | 11,497 00 | 5/14/64 |
| Normandy street . | 3 | 1,271 | 14,312 00 | 5/14/64 |
| Oakley street . | 3 | 843 | 14,215 00 | 5/14/64 |
| Pasadena road . | 3 | 809 | 16,163 00 | 5/14/64 |
| Radcliffe street . | 3 | 1,034 | 12,819 00 | 5/14/64 |
| Seaver street . | 3 | 651 | 12,127 00 | 5/14/64 |
| Shafter street . | 3 | 751 | 12,503 00 | 5/14/64 |
| Spencer street . | 3 | 809 | 13,037 00 | 5/14/64 |
| Sudan street . | 3 | 1,106 | 16,385 00 | 5/14/64 |
| Supple road . | 3 | 440 | 8,997 00 | 5/14/64 |
| Westcott street . | 3 | 713 | 12,256 00 | 5/14/64 |
| | | | *\$260,817 00 | |
| | | | **\$233,874 80 | |
| Construction of and Water Works in: | | | | |
| Beechmont Footway . | 8 | 260 | \$7,556 00 | 5/26/64 |
| Edgeway terrace . | 8 | 1,170 | 32,991 00 | 5/26/64 |
| | | | Highway \$40,547 00 | |
| | | | Water 6,250 00 | |
| | | | *\$46,797 00 | |
| | | | **\$56,216 85 | |

| Construction of: | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|----|-------|----------------------------------|--------------------|
| Crestwood Park | . | . | . | . | . | . | . | . | 10 | 601 | **\$48,800 00 **\$51,781 50 | 5/28/64 5/28/64 |
| Reconstruction of: | | | | | | | | | | | | |
| Bigelow street | . | . | . | . | . | . | . | . | 4 | 3,012 | \$93,793 00 | 6/11/64 |
| Brentwood street | . | . | . | . | . | . | . | . | 4 | 449 | 4,435 00 | 6/11/64 |
| Carol avenue | . | . | . | . | . | . | . | . | 4 | 386 | 7,994 00 | 6/11/64 |
| Charlesview street | . | . | . | . | . | . | . | . | 4 | 400 | 6,587 00 | 6/11/64 |
| Claymoss road | . | . | . | . | . | . | . | . | 4 | 1,158 | 24,958 00 | 6/11/64 |
| Eulita terrace | . | . | . | . | . | . | . | . | 4 | 267 | 4,777 00 | 6/11/64 |
| Euston road | . | . | . | . | . | . | . | . | 4 | 691 | 12,613 00 | 6/11/64 |
| Gerald road | . | . | . | . | . | . | . | . | 4 | 527 | 11,199 00 | 6/11/64 |
| Gordon street | . | . | . | . | . | . | . | . | 4 | 1,291 | 19,471 00 | 6/11/64 |
| Greycliff road | . | . | . | . | . | . | . | . | 4 | 1,047 | 20,686 00 | 6/11/64 |
| Hobson street | . | . | . | . | . | . | . | . | 4 | 1,034 | 11,835 00 | 6/11/64 |
| Mapleton street | . | . | . | . | . | . | . | . | 4 | 1,149 | 21,234 00 | 6/11/64 |
| Mt. Hood road | . | . | . | . | . | . | . | . | 4 | 708 | 12,695 00 | 6/11/64 |
| Priscilla road | . | . | . | . | . | . | . | . | 4 | 492 | 8,749 00 | 6/11/64 |
| Raymond street | . | . | . | . | . | . | . | . | 4 | 755 | 11,955 00 | 6/11/64 |
| Rogers Park avenue | . | . | . | . | . | . | . | . | 4 | 882 | 12,429 00 | 6/11/64 |
| Sanderson place | . | . | . | . | . | . | . | . | 4 | 358 | 7,962 00 | 6/11/64 |
| Wade street | . | . | . | . | . | . | . | . | 4 | 653 | 10,485 00 | 6/11/64 |
| Walbridge street | . | . | . | . | . | . | . | . | 4 | 615 | 17,808 00 | 6/11/64 |
| Wallingford road | . | . | . | . | . | . | . | . | 4 | 1,272 | 21,073 00 | 6/11/64 |
| | | | | | | | | | | | **\$342,738 00 **\$303,054 00 | |

| Contract | District | Length (Feet) | *Estimated Cost | **Bid Price | Date of Bid Opening |
|---------------------|----------|------------------|--------------------|-------------|------------------------|
| Reconstruction of: | | | | | |
| Alban street . | 7 | 1,358 | \$36,763 00 | | 7/16/64 |
| Blackwell street . | 7 | 355 | 3,916 00 | | 7/16/64 |
| Bowman street . | 7 | 557 | 6,883 00 | | 7/16/64 |
| Chelmsford street | 7 | 898 | 14,329 00 | | 7/16/64 |
| Clayton street . | 7 | 376 | 6,761 00 | | 7/16/64 |
| Granite avenue . | 7 | 810 | 12,721 00 | | 7/16/64 |
| King street . | 7 | 2,136 | 34,589 00 | | 7/16/64 |
| Melbourne street | 7 | 867 | 16,597 00 | | 7/16/64 |
| Nahant avenue . | 7 | 1,039 | 23,742 00 | | 7/16/64 |
| Narragansett street | 7 | 253 | 7,190 00 | | 7/16/64 |
| Ocean street . | 7 | 1,315 | 25,140 00 | | 7/16/64 |
| Remington street | 7 | 197 | 4,522 00 | | 7/16/64 |
| Roslin street . | 7 | 987 | 23,481 00 | | 7/16/64 |
| Tolman street . | 7 | 946 | 15,874 00 | | 7/16/64 |
| Train street . | 7 | 2,558 | 68,362 00 | | 7/16/64 |
| Verdun street . | 7 | 508 | 10,336 00 | | 7/16/64 |
| | | | <hr/> | | |
| | | | *\$311,206 00 | | |
| | | | **\$272,763 00 | | |
| Reconstruction of: | | | | | |
| Angell street . | 7 | 882 | \$13,271 00 | | 7/23/64 |
| Aspinwall road . | 7 | 927 | 23,713 00 | | 7/23/64 |
| Bernard street . | 7 | 330 | 6,309 00 | | 7/23/64 |
| Columbine street | 7 | 242 | 6,086 00 | | 7/23/64 |
| Flint street . | 7 | 408 | 12,135 00 | | 7/23/64 |
| Hallowell street . | 7 | 980 | 18,094 00 | | 7/23/64 |
| Iola street . | 7 | 354 | 9,920 00 | | 7/23/64 |

| | | | | |
|----------------------------|---|-------|-----------|---------|
| Lucerne street | 7 | 795 | 8,650 00 | 7/23/64 |
| Monson street | 7 | 537 | 11,336 00 | 7/23/64 |
| Norwell street | 7 | 953 | 26,562 00 | 7/23/64 |
| Standard street | 7 | 1,253 | 25,345 00 | 7/23/64 |
| Tiverton road | 7 | 512 | 23,329 00 | 7/23/64 |
| Wheatland avenue | 7 | 1,536 | 28,497 00 | 7/23/64 |

*\$213,247 00

**\$192,039 40

Reconstruction of:

| | | | | |
|-------------------------------|---|-------|-------------|---------|
| American Legion Highway | | | | |
| Arlington street | 8 | 250 | \$24,674 00 | 8/20/64 |
| Beaver street | 8 | 445 | 15,360 00 | 8/20/64 |
| Chesterfield street | 8 | 655 | 4,194 00 | 8/20/64 |
| Child street | 8 | 493 | 13,657 00 | 8/20/64 |
| Hyde Park avenue | 8 | 724 | 18,842 00 | 8/20/64 |
| Malta street | 8 | 1,220 | 25,913 00 | 8/20/64 |
| Norway Park | 8 | 480 | 13,756 00 | 8/20/64 |
| Pine street | 8 | 744 | 29,241 00 | 8/20/64 |
| Roxana street | 8 | 614 | 10,813 00 | 8/20/64 |
| West street | 8 | 379 | 10,958 00 | 8/20/64 |
| Winslow street | 8 | 559 | 21,841 00 | 8/20/64 |
| | 8 | 432 | 10,902 00 | 8/20/64 |

*\$200,151 00

**\$177,541 10

Reconstruction of:

| | | | | |
|--------------------------|----|-----|------------|---------|
| Forsyth street | 10 | 320 | \$8,379 00 | 8/27/64 |
| Opera place | 10 | 235 | 13,772 00 | 8/27/64 |

*\$22,151 00

**\$21,829 50

| Contract | District | Length (Feet) | *Estimated Cost | **Bid Price | Date of Bid Opening |
|--------------------|----------|------------------|--------------------|-------------|------------------------|
| Reconstruction of: | | | | | |
| Condor street | 9 | 880 | \$30,343 00 | | 9/3/64 |
| North square | 1 | 243 | 19,025 00 | | 9/3/64 |
| <hr/> | | | | | |
| | | | *\$49,368 00 | | |
| | | | **\$57,867 50 | | |
| Reconstruction of: | | | | | |
| Birch street | 6 | 1,723 | \$22,429 00 | | 9/17/64 |
| Bonair street | 6 | 414 | 7,883 00 | | 9/17/64 |
| Carroll street | 6 | 1,040 | 28,331 00 | | 9/17/64 |
| Cowing street | 6 | 764 | 21,135 00 | | 9/17/64 |
| Garnet road | 6 | 1,166 | 13,916 00 | | 9/17/64 |
| Glenham street | 6 | 1,271 | 30,593 00 | | 9/17/64 |
| Haydn street | 6 | 615 | 16,139 00 | | 9/17/64 |
| Hayes road | 6 | 546 | 14,356 00 | | 9/17/64 |
| Leniston street | 6 | 575 | 16,625 00 | | 9/17/64 |
| Lorraine street | 6 | 846 | 19,598 00 | | 9/17/64 |
| Midvale road | 6 | 620 | 15,561 00 | | 9/17/64 |
| Montvale street | 6 | 1,059 | 20,829 00 | | 8/17/64 |
| Nikisch avenue | 6 | 809 | 18,405 00 | | 9/17/64 |
| Symmes street | 6 | 782 | 19,143 00 | | 9/17/64 |
| Tarleton road | 6 | 519 | 15,872 00 | | 9/17/64 |
| Welland road | 6 | 243 | 6,349 00 | | 9/17/64 |
| Willowdean avenue | 6 | 631 | 11,255 00 | | 9/17/64 |
| <hr/> | | | | | |
| | | | *\$298,419 00 | | |
| | | | **\$271,558 65 | | |

Construction of and street lighting in:

| | | | | |
|--------------------------------|----|-------|-------------|---------|
| Longwood avenue | 10 | 130 | \$14,140 00 | 10/1/64 |
| St. Alphonsus street | 10 | 1,360 | 75,310 00 | 10/1/64 |

Highway \$89,450 00
Lighting 10,000 00

*\$99,450 00
**\$96,687 00

Construction of:

| | | | | |
|-----------------------------|---|-----|-------------|----------|
| David road | 2 | 590 | \$22,608 00 | 10/15/64 |
| Evandale terrace | 3 | 285 | 10,561 00 | 10/15/64 |
| Holly road | 2 | 326 | 14,141 00 | 10/15/64 |
| Manchester street | 7 | 570 | 20,342 00 | 10/15/64 |
| Manion road | 8 | 422 | 17,566 00 | 10/15/64 |
| Manley street | 7 | 300 | 11,919 00 | 10/15/64 |
| Newkirk street | 7 | 273 | 10,000 00 | 10/15/64 |
| Trilling way | 5 | 319 | 8,639 00 | 10/15/64 |

*\$125,776 00
**\$121,408 45

Construction of:

| | | | | |
|--|---|-----|--|----------|
| Ring road and sidewalks adjacent to Auditorium | 1 | 320 | | 10/15/64 |
|--|---|-----|--|----------|

*\$35,000 00
**\$32,590 00

| Contract | District | Length (Feet) | *Estimated Cost **Bid Price | Date of Bid Opening |
|---|----------|------------------|-----------------------------------|------------------------|
| Reconstruction of and Street Lighting in: | | | | |
| Allston street | 1 | 648 | \$11,529 00 | 10/29/64 |
| Beacham street | 1 | 645 | 9,596 00 | 10/29/64 |
| Belvidere street | 1 | 1,526 | 53,984 00 | 10/29/64 |
| Branch street | 1 | 501 | 5,661 00 | 10/29/64 |
| C street | 5 | 2,701 | 39,820 00 | 10/29/64 |
| Cedar street | 1 | 416 | 7,815 00 | 10/29/64 |
| Clearway street | 1 | 751 | 8,470 00 | 10/29/64 |
| Dorrance street | 1 | 620 | 11,934 00 | 10/29/64 |
| East Third street | 5 | 517 | 9,645 00 | 10/29/64 |
| East Third street | 1 | 1,547 | 32,630 00 | 10/29/64 |
| Green street | 1 | 855 | 11,700 00 | 10/29/64 |
| Hancock street | 1 | 217 | 4,143 00 | 10/29/64 |
| Lawwood place | 1 | 233 | 4,037 00 | 10/29/64 |
| Ludlow street | 1 | 229 | 3,480 00 | 10/29/64 |
| Myrtle street | 1 | 1,482 | 22,260 00 | 10/29/64 |
| Pembroke street | 1 | 731 | 14,290 00 | 10/29/64 |
| School street | 1 | 754 | 13,953 00 | 10/29/64 |
| Sleeper street | 5 | 1,093 | 12,480 00 | 10/29/64 |
| Sullivan street | 1 | 962 | 28,610 00 | 10/29/64 |
| Trenton street | 1 | 430 | 11,624 00 | 10/29/64 |
| Tuttle street | 3 | 1,163 | 16,968 00 | 10/29/64 |
| Wesley place | 1 | 147 | 2,884 00 | 10/29/64 |
| West Cedar street | 1 | 768 | 13,100 00 | 10/29/64 |
| Highway | | | \$350,613 00 | |
| Lighting | | | 40,000 00 | |
| | | | **\$390,613 00 | |
| | | | **\$381,403 00 | |

Construction of and Installation of New Street Lighting and Fire Alarm Systems in:

| | | |
|--------------------------------------|----|-----|
| Charlame place | 10 | 164 |
| Charlame street | 10 | 846 |
| Laurel street (relocation) | 10 | 238 |
| North Charlame street | 10 | 126 |
| North Charlame terrace | 10 | 126 |
| South Charlame court | 10 | 168 |
| South Charlame terrace | 10 | 176 |

*\$96,060 60
**\$101,695 00

Reconstruction of:

| | | |
|-----------------------------|---|-------|
| Breed street | 9 | 239 |
| Brooks street | 9 | 2,600 |
| Cottage street | 9 | 271 |
| Curtis street | 9 | 404 |
| Decatur street | 9 | 389 |
| Ford street | 9 | 332 |
| Frankfort street | 9 | 300 |
| Lillian street | 9 | 232 |
| Marion street | 9 | 220 |
| Maverick street | 9 | 1,027 |
| Paris street | 9 | 748 |
| Porter street | 9 | 286 |
| Saratoga street | 9 | 2,803 |
| Seaver street | 9 | 261 |
| Shawsheen road | 9 | 416 |
| Tersagram street | 9 | 468 |
| West Eagle street | 9 | 827 |
| White street | 9 | 348 |

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*\$307,370 00
**\$289,328 70

| Contract | District | Length (Feet) | *Estimated Cost **Bid Price | Date of Bid Opening |
|----------------------------|----------|------------------|-----------------------------------|------------------------|
| Reconstruction of: | | | | |
| Binney street | 10 | 873 | \$13,940 00 | 1/27/65 |
| Bowditch road | 2 | 772 | 9,245 00 | 1/27/65 |
| Bragdon street | 10 | 1,138 | 26,230 00 | 1/27/65 |
| Chilcott place | 2 | 478 | 7,116 00 | 1/27/65 |
| Clifford street | 10 | 1,171 | 18,047 00 | 1/27/65 |
| Dresden street | 2 | 389 | 5,057 00 | 1/27/65 |
| Edgewood street | 10 | 1,104 | 23,030 00 | 1/27/65 |
| Ernst street | 10 | 326 | 6,495 00 | 1/27/65 |
| Gardner street | 10 | 314 | 7,959 00 | 1/27/65 |
| Goldsmith street | 2 | 198 | 2,466 00 | 1/27/65 |
| Halifax street | 2 | 971 | 18,225 00 | 1/27/65 |
| Halleck street | 10 | 475 | 8,674 00 | 1/27/65 |
| Hillside street | 10 | 3,067 | 58,616 00 | 1/27/65 |
| Irwin avenue | 10 | 314 | 3,630 00 | 1/27/65 |
| Miles street | 10 | 277 | 5,090 00 | 1/27/65 |
| Mt. Hope street | 2 | 979 | 20,020 00 | 1/27/65 |
| Myrtle street | 2 | 1,083 | 28,205 00 | 1/27/65 |
| Neponset avenue | 2 | 1,018 | 30,098 00 | 1/27/65 |
| Pond View avenue | 2 | 693 | 10,930 00 | 1/27/65 |
| Rockview street | 2 | 1,621 | 35,482 00 | 1/27/65 |
| | | | <hr/> | |
| | | | *\$338,555 00 | |
| | | | **\$313,698 10 | |

| Contract | District | Description | **Bid Price | Date of Bid Opening |
|--|----------|--|--------------|---------------------|
| Sewerage Works in: | | | | |
| St. Alphonsus street . | 10 | 545-foot sewer, 562-foot surf. drain, 5 sewer MH's and 3 S.D. MH's | \$15,404 00 | 2/13/64 |
| Tremont street . | 10 | | | |
| Dalton street . | 1 | 670-foot sewer, 5 sewer MH's and 150-foot water pipe | \$373,300 00 | 2/13/64 |
| Hancock street . | 3 | 900-foot sewer, 2620-foot surf. drain, 5 sewer MH's and 13 S.D. MH's | \$80,920 00 | 2/21/64 |
| Pleasant street . | 3 | | | |
| Savin Hill avenue . | 3 | | | |
| Chestnut Hill avenue . | 4 | 1000-foot sewer, 500-foot surf. drain, 6 sewer MH's | | |
| Western avenue . | 4 | 3 S.D. MH's and 2 CB's | \$38,795 00 | 4/16/64 |
| Wiltshire road . | 4 | | | |
| Readville street . | 8 | 3200-foot surf. drain, 12 S.D. MH's, 10 CB's and 2 DI's | | |
| Knight street . | 8 | | | |
| Private land . | 8 | | \$88,645 00 | 7/08/64 |
| Ashland street . | 7 | 1500-foot sewer, 1510-foot surf. drain, 13 sewer MH's, 6 S.D. MH's and 13 CB's | | |
| Cataumet street . | 2 | | | |
| Dedham street . | 8 | | | |
| Delore Circle . | 6 | | | |
| Evandale terrace . | 3 | | | |
| Fernwood road . | 8 | | | |
| Hillis road . | 6 | | | |
| New Haven street . | 6 | | | |
| Yuletide road . | 8 | | \$52,580 00 | 7/16/64 |
| Boylston street . | 2 | 1540-foot sewer, 1220-foot surf. drain, 8 sewer MH's, 6 S.D. MH's and 1 CB | \$77,059 00 | 7/30/64 |
| First Village Outlet in G. Wright Golf Course and Private Land | 6 | 275-foot sewer, 250-foot surf. drain, 1 sewer MH and 3 S.D. MH's | \$19,294 00 | 10/01/64 |
| Hawthorne street . | 6 | 875-foot sewer, 1070-foot surf. drain, 1 sewer MH and 7 S.D. MH's | \$45,084 00 | 11/05/64 |
| Maple street . | 6 | | | |
| Dalton street . | 1 | 140-foot sewer | \$37,823 00 | 12/17/64 |

| Contract Sewerage & Water Works in: | District | Description | **Bid Price | Date of Bid Opening |
|--|----------|---|--------------|------------------------|
| Blue Ledge Drive | 6 | Sewerage—5,400-foot sewer, 5,760-foot surf. drain, 27 sewer MH's, 20 S.D. MH's and 34 CB's. | | |
| Blue Ledge terrace | 6 | Water—5,400-foot main, 200-foot hydrant pipe, 25 gates and 13 hydrants. | | |
| Higherest road | 6 | | \$244,946 50 | 3/19/64 |
| Higherest terrace | 6 | | | |
| June street | 6 | Sewerage—1,900-foot sewer, 1,940-foot surf. drain, 12 sewer MH's, 10 S.D. MH's and 11 CB's. | | |
| Blueview Circle | 6 | Water—1390-foot main, 40-foot hydrant pipe, 8 gates and 4 hydrants. | \$89,830 00 | 5/14/64 |
| Blueview road | 6 | | | |
| Cedarcrest Circle | 6 | | | |
| Cedarcrest road | 6 | | | |
| Manning street | 2 | Sewerage—970-foot sewer, 1,150-foot surf. drain, 7 sewer MH's, 6 S.D. MH's and 4 CB's. | | |
| Pleasant Valley Circle | 6 | Water—1,650-foot main and 7 gates. | \$47,415 70 | 8/13/64 |
| Lawn avenue | 9 | | | |
| Palermo street | 9 | | | |
| Charlame street | 10 | Sewerage—1490-foot sewer, 1500-foot surf. drain, 9 sewer MH's, 8 S.D. MH's and 10 CB's. | | |
| Relocated Laurel street | 10 | Water—1,490-foot main, 70-foot hydrant pipe, 12 gates and 5 hydrants. | | |
| Humboldt avenue | 10 | | | |
| Sherman street | 10 | | | |
| Bower street | 10 | | \$85,486 50 | 9/17/64 |
| Itasca street | 7 | Sewerage—175-foot sewer, 1,140-foot surf. drain, 1 sewer MH, 5 S.D. MH's and 8 CB's. | | |
| Schubert street | 6 | Water—1,030-foot main, 10-foot hydrant pipe, 3 gates and 1 hydrant. | | |
| Eldon street | 6 | | | |
| Hutchinson street | 7 | | | |
| Soldiers Field road | 4 | | \$32,734 00 | 9/24/64 |
| Furbush road | 6 | Sewerage—240-foot sewer, 245-foot surf. drain, 1 sewer MH, 1 S.D. MH and 2 CB's. | | |
| Thorn street | 8 | Water—475-foot main. | \$11,531 00 | 10/15/64 |

| | | | |
|-------------------------------|----|---|----------|
| Edson terrace | 8 | Sewerage—1,200-foot sewer, 1,250-foot surf. drain, 10 sewer MH's, 6 S.D. MH's and 6 CB's. | |
| Genevieve Way | 7 | Water—1,090-foot main, 20-foot hydrant pipe, 5 gates and 2 hydrants. | |
| Ralston road | 8 | | |
| Brucewood street | 6 | | |
| Mt. Vernon street | 6 | | |
| Prospect Circle | 8 | \$40,806 00 | 11/19/64 |
| Bower street | 10 | Sewerage—980-foot sewer, 1,350-foot surf. drain, 7 sewer MH's, 9 S.D. MH's and 19 CB's. | |
| Humboldt avenue | 10 | | |
| Elbert street | 10 | | |
| Hazelwood street | 10 | Water—3,150-foot main, 190-foot hydrant pipe, 21 gates and 11 hydrants. | |
| Munroe street | 10 | \$103,015 00 | 11/27/64 |
| Humboldt court | 10 | | |
| Cowing street | 6 | Sewerage—910-foot sewer, 900-foot surf. drain, 6 MH's, 4 S.D. MH's and 4 CB's. | |
| Frandaire Drive | 6 | Water—650-foot main, 25-foot hydrant pipe, 4 gates and 2 hydrants. | 12/29/64 |
| Water Works in: | | | |
| East Second street | 5 | 6,150-foot main, 25 gates and 14 hydrants. | |
| East Third street | 5 | | |
| East Sixth street | 5 | | |
| Harley street | 7 | | |
| Middle street | 5 | | |
| Tuttle street | 3 | | |
| Woodward street | 5 | \$97,975 00 | 4/16/64 |
| Gardner street | 6 | 2,390-foot main, 8 gates and 4 hydrants. | |
| Gardner street dump | 6 | \$22,340 00 | 6/ 4/64 |
| Cataumet street | 2 | | |
| Delhi street | 7 | | |
| Delore Circle | 6 | 1,350-foot main, 2 gates and 1 hydrant. | |

| Contract | District | Description | **Bid Price | Date of Bid Opening |
|---------------------------------|----------|--|--------------|------------------------|
| Water Works in: | | | | |
| Hillis road | 8 | | \$14,822 00 | 7/16/64 |
| Imbaro road | 8 | | | |
| New Haven street | 6 | | | |
| Vine street | 6 | | | |
| La Grange street | 6 | | | |
| Byron road | 6 | | | |
| Private land | 6 | | | |
| | | 1,335-foot main, 3 gates and 2 hydrants. | | |
| | | | \$17,445 00 | 7/23/64 |
| Alwin street | 8 | | | |
| Dedham Parkway | 8 | | | |
| Stony Brook Reservation | 6 & 8 | | | |
| Private Land | 6 & 8 | | | |
| | | 4,550-foot main, 60-foot hydrant pipe, 16 gates and 6 hydrants. | \$78,515 00 | 10/09/64 |
| Miscellaneous Contracts: | | | | |
| Dalton Street Bridge | 10 | Bridge and Approaches. | \$345,975 00 | 3/19/64 |
| Crestwood park | 10 | Street Lighting System. | \$4,805 90 | 5/28/64 |
| George Wright Golf Course | 6 & 8 | Loam and Sodding. | \$12,521 50 | 9/ 3/64 |
| Burbank street | 10 | | | |
| Ederly road | 10 | | | |
| Hemenway street | 10 | | | |
| Norway street | 10 | | | |
| Stoneholm street | 10 | | | |
| Whipple street | 10 | | | |
| | | Street Lighting System. | \$15,360 00 | 10/ 1/64 |
| Boston Common | 1 | Street Lighting System. | \$15,100 00 | 10/22/64 |

APPENDIX D

HIGHWAY DIVISION

Table 1 — Work Done by Contract

Table 2 — Street Construction Work

Table 3 — Highway Maintenance Work

Table 4 — Street Lighting

Table 5 — Expenditures for Tidewater Bridges

Table 6 — Waterborne Traffic Through Drawbridge

Table 7 — Expenditures on Inland Bridges

Table 8 — Bridge Maintenance Work

TABLE I
WORK DONE BY CONTRACT IN 1964

| ITEM | QUANTITY |
|---|-----------------------|
| Excavation (earth and service) | 58,029 cubic yards |
| Excavation (rock) | 719 cubic yards |
| Bank gravel | 71,244 tons |
| Crushed stone for edgestone | 3,522 tons |
| Base removed (existing) | 9,371 square yards |
| Pavement removed (existing) | 55,009 square yards |
| New straight edgestone | 41,527 lineal feet |
| New circular edgestone | 17,409 lineal feet |
| New edgestone corners 2-foot radius | 736 each |
| Edgestone reset and relocated | 89,732 lineal feet |
| Edgestone hauled | 7,346 lineal feet |
| Macadam base | 12,816 tons |
| OA asphalt | 124,369 gallons |
| Concrete base class "B" for roadway | 3,335 cubic yards |
| Concrete base (backing up sidewalk) | 168 cubic yards |
| Bituminous concrete base (roadway) | 31,924 tons |
| Bituminous concrete base (patching) | 108,952 square feet |
| Bituminous concrete top (roadway) | 25,832 tons |
| Bituminous concrete top (patching) | 108,952 square feet |
| Bituminous concrete base (sidewalk) | 91 tons |
| Bituminous concrete top (sidewalk) | 503 tons |
| Artificial stone sidewalks | 1,270,265 square feet |
| Artificial stone sidewalks (patching) | 246,551 square feet |
| Artificial stone driveways | 176,893 square feet |
| Loam (square yards) | 1,318 square yards |
| Loam (cubic yards) | 1,075 cubic yards |
| Covers | 3,022 each |
| Catch basins or manholes rebuilt | 193 each |
| Catch basins or drop inlets built | 158 each |
| Sign posts (street) | 639 each |
| Parking meters reset | 9 each |
| Stone bounds | 47 each |
| Minor drain | 1,556 lineal feet |
| Bituminous concrete (roadway) area | 340,820 square yards |

TABLE 2
STREET CONSTRUCTION WORK

The following is a summarized record of the highway improvement work done by the Department in 1964:

Number of streets constructed or reconstructed under Chapter 393, Acts of 1906, as most recently amended 149

STREET CONSTRUCTION WORK

| | |
|---|-----------------------|
| Washington Park Redevelopment | \$160,235 00 |
| Bridge Loan | 246,820 00 |
| Sidewalk Loan | 96,250 00 |
| Chapter 782 | 637,119 00 |
| Chapter 822 | 788,264 00 |
| Public Ways Loan | 1,762,434 00 |
| Total | <u>\$3,691,122 00</u> |

BRIDGE

| | |
|-----------------------|--------------|
| Bridge Loan | \$240,820 00 |
|-----------------------|--------------|

CHAPTER 90 PROJECTS COMPLETED IN 1964

| STREET | LIMITS | CONTRACT AMOUNT |
|-------------------|--|---------------------|
| Congress street | Fort Point Channel to beyond Stillings street | \$37,251 00 |
| Street | Dorchester avenue to West First street | 96,743 00 |
| Quincy street | Columbia road to Bowdoin street | 53,446 50 |
| Savin Hill avenue | Treadway road to Southeast Expressway and Savin Hill court to Old Colony terrace | 53,292 50 |
| Broadway and | Washington street to Park square, Isabella street to | |
| Arlington street | Boylston street | 40,714 75 |
| Norfolk street | Babson street to Talbot avenue | 198,551 00 |
| | | <u>\$479,998 75</u> |

TABLE 3

HIGHWAY MAINTENANCE WORK

| | | |
|---|---------|--------------|
| Bituminous roadway repairs . . . | 3,903 | square yards |
| Bituminous sidewalk repairs . . . | 4,079 | square yards |
| Bituminous driveway repairs . . . | 108 | square yards |
| Granite block roadway repairs . . . | 305 | square yards |
| Macadam roadway repairs . . . | 1,609 | square yards |
| Stone wall repairs . . . | 2,719 | cubic feet |
| Brick sidewalk repairs . . . | 1,324 | square feet |
| Artificial stone sidewalk relaid . . . | 47,033 | square feet |
| Straight granite edgestone reset . . . | 980 | lineal feet |
| Circular granite edgestone reset . . . | 74 | lineal feet |
| Corners (2-foot) granite edgestone reset . . . | 7 | units |
| Corners (2-foot) granite edgestone set . . . | 6 | units |
| Pre-cast concrete curbing reset . . . | 140 | lineal feet |
| Chain-link fence repairs . . . | 192 | lineal feet |
| Loam spaces replaced . . . | 10 | square yards |
| Water boxes reset . . . | 26 | units |
| Catch basin remodeled . . . | 1 | unit |
| Guttermouths reset . . . | 3 | units |
| Police signal box relocated . . . | 1 | unit |
| Erected iron posts for barricade . . . | 9 | units |
| Excavated for and set gas lamps (North square) . . . | 5 | units |
| Bituminous roadway and sidewalk repairs (temporary) . . . | 130,127 | square yards |
| Concrete curbing repaired . . . | 1,060 | feet |
| Brick sidewalk repaired . . . | 215 | square yards |
| Debris removed from streets . . . | 139,319 | cubic yards |
| Salt and sand spread . . . | 36,277 | tons |
| Snow removal . . . | 201,233 | cubic yards |
| Calcium chloride used . . . | 20 | tons |
| Catch basins cleaned . . . | 3,645 | |

TABLE 4
STREET LIGHTING

MERCURY VAPOR LIGHTING PROJECTS — 1964

In 1964 orders were issued for the installation of 3,500 lumen lamps and the replacement of old lighting units on the following streets:

| | |
|---|----|
| Acacia road, West Roxbury | 2 |
| Alberta street, West Roxbury | 4 |
| Alvarado avenue, Hyde Park | 3 |
| Alward road, West Roxbury | 4 |
| Andover road, West Roxbury | 3 |
| Andria road, Hyde Park | 2 |
| Annafran street, Hyde Park and West Roxbury | 7 |
| Ansonia road, West Roxbury | 7 |
| Arbroth street, Dorchester | 3 |
| Arlington street, Hyde Park | 2 |
| Atkins street, Brighton | 5 |
| Baker place, West Roxbury | 3 |
| Baxter street, South Boston | 8 |
| Belfort street, Dorchester | 5 |
| Belmore terrace, West Roxbury | 2 |
| Bellaire road, West Roxbury | 6 |
| Bertson avenue, West Roxbury | 5 |
| Bird street, Dorchester | 10 |
| Birch street, West Roxbury | 16 |
| Blackwell street, Dorchester | 4 |
| Blake street, Hyde Park | 19 |
| Bonair street, West Roxbury | 6 |
| Bowditch road, West Roxbury | 6 |
| Bowman street, Dorchester | 4 |
| Brahms street, West Roxbury | 5 |
| Bragdon street, Roxbury | 7 |
| Brook Farm road, West Roxbury | 26 |
| Brownson terrace, West Roxbury | 4 |
| Burard street, West Roxbury | 3 |
| Burnham place, South Boston | 1 |
| Carroll street, West Roxbury | 8 |
| Castleton street, West Roxbury | 6 |
| Caton street, Hyde Park | 5 |
| Cerdan avenue, West Roxbury | 13 |
| Cerina road, West Roxbury | 2 |
| Chapin avenue, West Roxbury | 7 |
| Chestnut square, West Roxbury | 3 |
| Chilcott place, West Roxbury | 5 |
| Clare avenue, Hyde Park and West Roxbury | 23 |
| Claymont terrace, Dorchester | 4 |
| Colby road, West Roxbury | 3 |

| | |
|---|----|
| Collins street, Hyde Park | 4 |
| Columbine street, Dorchester | 2 |
| Coniston road, West Roxbury | 6 |
| Conrad street, Dorchester | 1 |
| Corey terrace, West Roxbury | 2 |
| Cowing street, West Roxbury | 12 |
| Cromwell road, Hyde Park | 2 |
| Crown street, Hyde Park | 2 |
| Cypress street, West Roxbury | 4 |
| Damon street, Hyde Park | 4 |
| Decatur street, East Boston | 2 |
| Delford street, West Roxbury | 2 |
| De Soto road, West Roxbury | 11 |
| Dixfield street, South Boston | 2 |
| Dresden street, West Roxbury | 3 |
| Dwinell street, West Roxbury | 9 |
| Elgin street, West Roxbury | 5 |
| Ellet street, Dorchester | 3 |
| Elwell road, West Roxbury | 2 |
| Eulita terrace, Brighton | 2 |
| Evandale terrace, Dorchester | 2 |
| Fairlane road, West Roxbury | 1 |
| Fairview avenue, Hyde Park | 8 |
| Fort Avenue terrace, Roxbury | 2 |
| Frankfort street, East Boston | 12 |
| Garnet road, West Roxbury | 11 |
| Glenley terrace, Brighton | 4 |
| Gerald road, Brighton | 4 |
| Glenham street, West Roxbury | 10 |
| Goff street, Hyde Park | 5 |
| Goldsmith street, West Roxbury | 4 |
| Gove street, East Boston | 12 |
| Gould street, West Roxbury | 10 |
| Greycliff road, Brighton | 5 |
| Griggs street, Brighton | 2 |
| Hackensack court, West Roxbury | 2 |
| Hallet-Davis street, Dorchester | 3 |
| Hallowell street, Dorchester | 7 |
| Haydn street, West Roxbury | 5 |
| Hayes road, West Roxbury | 5 |
| Hemman street, West Roxbury | 6 |
| Highland Park avenue, Roxbury | 4 |
| Highland Park street, Roxbury | 2 |
| Hobson street, Brighton | 7 |
| Horace street, East Boston | 10 |
| Hunnewell avenue, Brighton | 8 |
| Jacqueline road, West Roxbury | 2 |
| Jeffries street, East Boston | 5 |
| Kevin road, Dorchester | 2 |
| Laban Pratt road, Dorchester | 3 |

| | |
|---|----|
| Langley road, Brighton | 7 |
| Lantern Lane, West Roxbury | 2 |
| Ledgedale road, West Roxbury | 2 |
| Leniston street, West Roxbury | 5 |
| Lennoco road, West Roxbury | 2 |
| Lillian street, East Boston | 2 |
| Linwood street, Roxbury | 6 |
| Liszt street, West Roxbury | 5 |
| Logan street, Roxbury | 3 |
| Louder's Lane, West Roxbury | 14 |
| Lubec street, East Boston | 5 |
| Lyall street, West Roxbury | 10 |
| Malcolm road, West Roxbury | 12 |
| Malta street, Dorchester | 4 |
| Massasoit street, Hyde Park | 7 |
| Mattakeeset street, Hyde Park | 5 |
| Metropolitan avenue, Hyde Park | 3 |
| Midvale road, West Roxbury | 5 |
| Milton terrace, Hyde Park | 2 |
| Moraine street, West Roxbury | 12 |
| Monponset street, Hyde Park | 5 |
| Morley street, Roxbury | 2 |
| Mossdale road, West Roxbury | 10 |
| Mt. Hood road, Brighton | 4 |
| Mt. Pleasant street, Hyde Park | 3 |
| Myrtle street, West Roxbury | 9 |
| Nahant street, Dorchester | 8 |
| Narragansett street, Dorchester | 2 |
| New Haven street, West Roxbury | 2 |
| Nikisch avenue, West Roxbury | 6 |
| Norfolk street, Roxbury | 5 |
| Normandy street, Dorchester | 9 |
| Norway park, Hyde Park | 5 |
| Ocean street, Dorchester | 13 |
| Oldfields road, West Roxbury | 5 |
| Paine street, West Roxbury | 12 |
| Parkson street, Hyde Park | 4 |
| Pasadena road, Dorchester | 6 |
| Paulman Circle, West Roxbury | 2 |
| Peeverell street, Dorchester | 4 |
| Pinewood street, Hyde Park | 4 |
| Pleasant View street, Hyde Park | 10 |
| Pond Circle, West Roxbury | 6 |
| Pond View avenue, West Roxbury | 5 |
| President road, West Roxbury | 3 |
| Queen street, Dorchester | 2 |
| Remington street, Dorchester | 1 |
| Ridge street, West Roxbury | 7 |
| River Street terrace, Hyde Park | 3 |
| Roanoke road, Hyde Park | 5 |

| | |
|--|----|
| Rockledge street, Roxbury | 3 |
| Rockview street, West Roxbury | 16 |
| Roseglen road, Hyde Park | 2 |
| Rosecliff street, West Roxbury | 5 |
| Rosemont street, Dorchester | 6 |
| Roxana street, Hyde Park | 3 |
| Safford street, Brighton | 3 |
| Salcombe street, Dorchester | 6 |
| Salina road, Dorchester | 4 |
| Sherrin street, Hyde Park | 10 |
| Soldiers Field place, Brighton | 3 |
| South Munroe terrace, Dorchester | 6 |
| Southwick street, Dorchester | 2 |
| Spring Garden street, Dorchester | 7 |
| Sudan street, Dorchester | 8 |
| Suncrest road, Hyde Park | 3 |
| Supple road, Dorchester | 8 |
| Sumner street, Dorchester | 12 |
| Swallow street, South Boston | 4 |
| Tarleton road, West Roxbury | 4 |
| Teragram street, East Boston | 4 |
| Thornton street, Roxbury | 21 |
| Tiverton road, Dorchester | 3 |
| Tolman street, Dorchester | 4 |
| Verdun street, Dorchester | 4 |
| Violet street, Dorchester | 5 |
| Wade street, Brighton | 5 |
| Walnut street, Hyde Park | 9 |
| Wedgewood road, West Roxbury | 2 |
| West Sixth street, South Boston | 12 |
| Whitcomb avenue, West Roxbury | 19 |
| Whitford street, West Roxbury | 17 |
| Welland road, West Roxbury | 2 |
| Winslow street, Hyde Park | 4 |
| Wilder street, Dorchester | 4 |

In 1964 orders were issued for the installation of 7,000 lumen lamps and the replacement of old lighting units on the following streets:

| | |
|---|----|
| Allston street, Brighton | 2 |
| Alvah Kittredge park, Roxbury | 1 |
| Arlington street, Hyde Park | 16 |
| Cedar street, Roxbury | 23 |
| Clifford street, Roxbury | 9 |
| Edgerly road, Roxbury | 6 |
| Harvard avenue, Hyde Park | 13 |
| Highland street, Hyde Park | 27 |
| Neponset avenue, West Roxbury | 20 |
| Norway street, Boston | 6 |

| | |
|--|----|
| Pope's Hill street, Dorchester | 4 |
| Reservation road, Hyde Park | 22 |
| Standard street, Dorchester | 9 |
| Stoneholm street, Roxbury | 3 |
| Train street, Dorchester | 20 |
| Vermont street, West Roxbury | 31 |
| Wallingford road, Brighton | 15 |
| Woodrow avenue, Dorchester | 28 |

In 1964 orders were issued for the installation of 11,000 lumen lamps and the replacement of old lighting units on the following streets:

| | |
|---|----|
| East Cottage street, Dorchester | 6 |
| Foster street, Brighton | 18 |
| Waldemar avenue, East Boston | 21 |
| West Milton street, Hyde Park | 21 |
| Wood avenue, Hyde Park | 32 |

In 1964 orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following streets:

| | |
|--|----|
| Arlington street, Boston | 12 |
| Bennington street, East Boston | 40 |
| Berkeley street, Boston | 3 |
| Broadway, Boston | 15 |
| Clarendon street, Boston | 2 |
| Congress street, Boston | 8 |
| Hemenway street, Boston | 22 |

GAS LAMP PROGRAM — 1964

During the year 1964 there were approximately 240 gas lamps maintained by the City of Boston. There were 12 gas lamps installed for the year 1964.

MAINTENANCE OF POLICE SPOTLIGHTS

The maintenance of 97 police spotlights continued for the year 1964. There were no new installations for the year 1964.

TABLE 5
DETAILS OF EXPENDITURES OF TIDEWATER BRIDGES FOR THE YEAR
1964

| BRIDGE | Draw- tenders' Salaries | Mechanics' Wages | Material | Repair Bills | Supplies, Utilities, Etc. | Total |
|---|-------------------------------|---------------------|------------|-----------------|---------------------------------|--------------|
| Chelsea Street..... | \$60,724 22 | \$1,246 90 | \$24 33 | — | \$713 32 | \$62,708 77 |
| Congress Street..... | 20,237 06 | 602 20 | 9 70 | — | 878 42 | 21,727 38 |
| Malden Bridge..... | 66,389 53 | 4,940 40 | 110 51 | — | 1,026 45 | 72,466 89 |
| Andrew P. McArdle.... | 70,107 87 | 966 90 | 428 13 | — | 1,679 59 | 73,182 49 |
| Northern Avenue..... | 81,842 18 | 13,285 40 | 2,378 73 | \$931 93 | 2,814 26 | 101,252 50 |
| Summer Street (Fort Point Channel)..... | 23,198 71 | 3,373 60 | 168 89 | 977 78 | — | 27,718 98 |
| Summer Street (L St.) (Reserved Channel).. | 42,854 20 | 8,100 70 | 430 46 | — | 842 63 | 52,227 99 |
| Totals..... | \$365,353 77 | \$32,516 10 | \$3,550 75 | \$1,909 71 | \$7,954 67 | \$411,295 00 |

TABLE 6
WATERBORNE TRAFFIC THROUGH DRAWBRIDGES, 1964

| BRIDGE | Steamers | Tugs | Barges | Pleasure Craft | All Others | Total Vessels | Total Cargoes | Total Openings |
|---|----------|--------|--------|----------------|------------|---------------|---------------|----------------|
| Chelsea Street | 485 | 4,611 | 1,362 | — | 78 | 6,536 | 939 | 3,058 |
| Congress Street | — | — | — | — | — | — | — | — |
| Andrew P. McArdle | 686 | 6,040 | 1,401 | 2 | 386 | 8,515 | 901 | 3,606 |
| Malden | 42 | 2,243 | 1,218 | 2,007 | 386 | 5,896 | 742 | 3,795 |
| Northern Avenue | — | 439 | 73 | 4 | 381 | 897 | 148 | 533 |
| Summer Street (Fort Point Channel) | — | — | — | — | — | — | — | — |
| Summer Street (Reserved Channel) (L Street) | — | 2 | 2 | 164 | 1 | 169 | — | 152 |
| Totals | 1,213 | 13,335 | 4,056 | 2,177 | 1,232 | 22,013 | 2,730 | 11,144 |

TABLE 7
EXPENDITURES ON INLAND BRIDGES
IN 1964

| LABOR | MATERIALS | TOTAL |
|-------------|------------|-------------|
| \$43,978 80 | \$4,815 81 | \$48,749 61 |

The above figures represent total cost of maintenance repairs on inland bridges, namely footbridges over railroads, etc., using our department yard employees, materials and supplies.

TABLE 8
WORK DONE BY BRIDGE SECTION CITY FORCES
BRIDGE MAINTENANCE WORK IN 1964

| | |
|------------------|---|
| Central Avenue | — The stringers and decking of $\frac{1}{2}$ the roadway were renewed. |
| Fairmount Avenue | — Made major repairs to the sidewalk and roadway wearing surfaces. |
| L Street | — Over Reserved Channel (Summer Street): replaced broken shive wheel and supporting timbers. |
| Malden | — Did considerable welding of roadway grill work. |
| Northern Avenue | — Replaced large area of worn asphalt planking with 2 x 8 hard pine planking. |
| Summer Street | — Over Fort Point Channel: replaced worn decking and sheathing on $\frac{1}{2}$ downstream and $\frac{1}{2}$ upstream draw leafs. |

Replaced worn roadway and sidewalk planking on the various bridges throughout the city.

APPENDIX E

SANITARY DIVISION

Table 1—Payments to Refuse Collection Contractors

Table 2—Payments for Rental of Dumps

Table 3—Removal of Garbage

Table 4—Payments for Removal of Incinerator Residue

Table 5—Payments for Removal of Rejected Material

Table 6—Payments for Removal of Derelict Automobiles

Table 7—Expenditures

Table 8—Operating Costs

Table 9—Unit Costs

TABLE 1

PAYMENTS TO REFUSE COLLECTION CONTRACTORS, FIRST THREE MONTHS — JANUARY, FEBRUARY, MARCH

| DISTRICT | Contractor | Total 3 Months, Payments* |
|---------------------------|---|---------------------------|
| 1A Charlestown..... | Jeffries Disposal Corporation..... | \$12,842 80 |
| 1B Downtown..... | James A. Freaney, Inc..... | 42,311 64 |
| 1C Uptown..... | United Contracting Company, Inc., of Boston | 34,883 57 |
| 2 Jamaica Plain..... | Ryan, Coady Company..... | 40,168 74 |
| 3 Dorchester (N)..... | Dooley Bros., Inc..... | 71,209 35 |
| 4 Brighton..... | J. F. Ryan, Inc..... | 59,822 60 |
| 5 South Boston..... | Joseph Amara & Sons, Inc..... | 21,297 12 |
| 6 West Roxbury..... | F. J. Cavaliere & Co..... | 51,748 56 |
| 7 Dorchester (S)..... | Coleman Bros., Corporation | 73,562 83 |
| 8 Hyde Park..... | Howard Disposal Corporation..... | 24,863 35 |
| 9 East Boston..... | Jeffries Disposal Corporation..... | 25,179 80 |
| 10A Parker Hill-Fens..... | Dooley Bros., Inc..... | 29,847 75 |
| 10B Roxbury..... | United Contracting Company, Inc., of Boston..... | 46,603 90 |
| Total 3 months..... | ..... | \$534,342 01 |

* Including extra labor costs.

PAYMENTS TO REFUSE COLLECTION CONTRACTORS, LAST NINE MONTHS — APRIL 1 TO DECEMBER 31, INCLUSIVE

| DISTRICT | Contractor | Total 9 Months, Payments |
|-----------------------------|--|--------------------------|
| 1A Charlestown..... | Banco Corporation..... | \$49,983 00 |
| 1B Boston Proper..... | James A. Freaney, Inc..... | 240,615 40 |
| Jamaica Plain..... | Joseph Amara & Sons, Inc..... | 144,960 40 |
| 3 Dorchester (North)..... | Jeffries Disposal Corporation..... | 241,473 80 |
| 4 Brighton..... | J. F. Ryan, Inc..... | 199,522 20 |
| 5 South Boston..... | United Contracting Company, Inc., of Boston..... | 90,607 20 |
| 6 West Roxbury..... | M. & C. Corporation..... | 191,160 00 |
| 7 Dorchester (South)..... | United Contracting Company, Inc., of Boston..... | 252,338 20 |
| 8 Hyde Park..... | Jeffries Disposal Corporation..... | 116,979 00 |
| 9 East Boston..... | Banco Corporation..... | 95,535 20 |
| 10 Roxbury..... | Dooley Bros., Inc..... | 180,677 60 |
| Last 9 months total..... | ..... | \$1,803,852 00 |
| First 3 months total..... | ..... | \$534,342 01 |
| Collection grand total..... | ..... | \$2,338,194 01 |

TABLE 2 — PAYMENTS FOR RENTAL OF DUMPS

| | 3 MONTHS | 9 MONTHS |
|------------------------|----------|----------|
| Saugus..... | | |
| Emergency Dumping..... | \$6,000 | \$22,500 |
| | | \$28,500 |
| | | 1,875 |
| Total..... | | \$30,375 |

M. DeMatteo Construction Company.....

TABLE 3 — REMOVAL OF GARBAGE

| | 3 MONTHS | 9 MONTHS |
|---------------------|----------|----------|
| Transfer Station | | |
| Victory Road..... | \$3,250 | \$9,850 |
| Gardner Street..... | \$3,250 | \$9,850 |
| | | \$13,100 |
| Total..... | | \$26,200 |

Kristoff Brothers.....

Kennedy Brothers.....

TABLE 4 — PAYMENTS FOR REMOVAL OF INCINERATOR RESIDUE

| | |
|--------------------------------|----------|
| Manning Motor Trans., Inc..... | \$22,790 |
|--------------------------------|----------|

TABLE 5 — PAYMENTS FOR REMOVAL OF REJECTED MATERIAL

| | |
|----------------------------|---------|
| James A. Freaney, Inc..... | \$4,980 |
|----------------------------|---------|

TABLE 6 — REMOVAL OF DERELICT AUTOMOBILES

| | |
|-------------------------|-------------|
| J & L Iron Company..... | \$11,854 |
| Grand total..... | \$2,434,393 |

TABLE 7
SUMMARY OF PAYMENT

EXPENDITURES IN 1964:

| | | |
|--|----------------|----------------|
| Payments to refuse collection contractors . | \$2,338,194 00 | |
| Payments for rental of Saugus dump . . . | 30,375 00 | |
| Payments for removal of garbage . . . | 26,200 00 | |
| Payments for disposal of rejected material . | 4,980 00 | |
| Payments for removal of derelict automobiles | 11,854 00 | |
| Payments for removal of incinerator residue | 22,790 00 | |
| <hr/> | | |
| Total collection and disposal contract payments | | \$2,434,393 00 |
| Payroll totals were as follows: | | |
| Administrative and general services . . . | \$65,059 00 | |
| Collection section | 397,767 00 | |
| Disposal section | 558,490 00 | |
| <hr/> | | |
| Total payrolls | \$1,021,316 00 | |
| Overtime payrolls | 140,856 00 | |
| Total Sanitary Division payrolls | | 1,162,172 00 |
| Incinerator operation and maintenance costs (other than labor) | | 142,500 00 |
| Payments on other contracts | | 21,659 00 |
| Supplies and materials (other than incinerator) | | 33,442 00 |
| Miscellaneous (advertising, rental of equipment, etc.) . . | | 12,229 00 |
| <hr/> | | |
| Grand total expenditures | | \$3,806,395 00 |

TABLE 8
1964 OPERATING COSTS—SANITARY DIVISION

| | | |
|--|----------------|----------------|
| ADMINISTRATIVE SECTION | | \$35,936 00 |
| COLLECTION SECTION: | | |
| Collection contracts | \$2,338,194 00 | |
| Supervision | 149,788 00 | |
| Inspectors telephone calls | 137 00 | |
| Advertisements in newspapers | 3,200 00 | |
| Supplies and materials | 3,180 00 | |
| Rejected refuse | 4,980 00 | |
| <hr/> | | |
| | \$2,499,479 00 | |
| Alley cleaning | 116,180 00 | |
| Litter baskets | 60,426 00 | |
| Market cleaning | 21,735 00 | |
| Abandoned cars | 19,450 00 | |
| Education and enforcement | 111,380 00 | |
| <hr/> | | |
| Collection Section total | | 2,828,650 00 |
| DISPOSAL SECTION | | |
| Incinerator | \$803,361 00 | |
| Gardner street dump | 81,873 00 | |
| Garbage disposal | 26,200 00 | |
| Saugus dump | 30,375 00 | |
| <hr/> | | |
| Disposal Section total | | 941,809 00 |
| <hr/> | | |
| Grand total | | \$3,806,395 00 |

TABLE 9
1964 UNIT COSTS

| | | | |
|------|----------------------------|---------|-----------------------------------|
| (1) | Administrative | | |
| | \$35,936 | | Less than 1 percent of total cost |
| (2) | Collection Contracts | | |
| | \$2,499,479 | | |
| | 236,341 tons a year | \$10 58 | ton |
| (3) | Alley Cleaning | | |
| | \$116,180 | | |
| | 5,200 tons a year | \$22 33 | ton |
| (4) | Litter Baskets | | |
| | \$60,426 | | |
| | 936 baskets | \$64 55 | basket |
| | 155,000 servicings | \$0 39 | service |
| (5) | Market Cleaning | | |
| | \$21,735 | | |
| | 2,060 tons a year | \$10 55 | ton |
| (6) | Abandoned Vehicles | | |
| | \$19,450 | | |
| | 2,834 cars | \$6 86 | car |
| (7) | Education and Enforcement | | |
| | \$111,380 | | Less than 3 percent of total cost |
| (8) | Incinerator | | |
| | \$803,361 | | |
| | 149,794 tons a year | \$5 36 | ton |
| (9) | Gardner Street Dump | | |
| | \$81,873 | | |
| | 69,847 tons a year | \$1 17 | ton |
| | 338,824 cubic yards a year | \$0 24 | cubic yard |
| (10) | Saugus Dump Rental | | |
| | \$30,375 | | |
| | 13,100 tons a year | \$2 32 | ton |
| | 65,493 cubic yards a year | \$0 46 | cubic yard |
| (11) | Garbage Disposal | | |
| | \$26,200 | | |
| | 8,806 tons a year | \$2 98 | ton |
| | 26,418 cubic yards a year | \$0 99 | cubic yard |

APPENDIX F

SEWER DIVISION

Table 1—Expenditures Non-Revenue Sewerage Works

Table 2—Summary of Sewer Construction

Table 3—Five-Year Summary

Table 4—Length of Sewers

Table 5—Catch-Basin Statistics

Table 6—Maintenance Statistics

Table 7—Calf Pasture Pumping Station Statistics

TABLE 1

SEWER DIVISION, P.W.D.

SEWERAGE WORKS NON-REVENUE—EXPENDITURES
FOR 1964

| | |
|--|----------------|
| Office and engineers' salaries | \$167,360 81 |
| Land damages | 450 00 |
| Miscellaneous bills | 17,991 84 |
| Service orders | 10,585 90 |
| Contracts | 852,628 67 |
| Total expenditures | \$1,049,017 22 |

TABLE 2

SUMMARY OF SEWER CONSTRUCTION

| DISTRICT | Built by City Either by Contract or Day Labor | Built by Private Parties | Shared by City and Government | Total Lengths Built | |
|-------------------|---|--------------------------------|-------------------------------------|---------------------|--------------|
| | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Miles</i> |
| City Proper..... | 622.00 | 456.00 | ..... | 1,118.00 | 0.215 |
| Roxbury..... | 3,798.40 | ..... | ..... | 3,798.40 | 0.720 |
| South Boston..... | ..... | ..... | ..... | ..... | ..... |
| East Boston..... | 12.00 | ..... | ..... | 12.00 | 0.002 |
| Charlestown..... | ..... | ..... | ..... | ..... | ..... |
| Brighton..... | 1,489.40 | 466.40 | ..... | 1,955.80 | 0.372 |
| West Roxbury..... | 23,740.00 | 624.40 | ..... | 24,364.40 | 4.622 |
| Dorchester..... | 5,948.60 | 846.40 | ..... | 6,795.00 | 1.287 |
| Hyde Park..... | 4,163.10 | 356.00 | ..... | 4,519.10 | 0.857 |
| Totals..... | 39,813.50 | 2,749.20 | ..... | 42,562.70 | 8.075 |

TABLE 3

Summary of Sewer Construction for Five Years Previous to January 1, 1965

| | 1960 | 1961 | 1962 | 1963 | 1964 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Linear Feet</i> | <i>Linear Feet</i> |
| Built by city—by contract or day labor..... | 6,408 | 13,694.37 | 26,557.27 | 14,206.85 | 39,813.50 |
| Built by private parties..... | 735 | 2,876.85 | 3,937.56 | 2,428.97 | 2,749.20 |
| Shared by city and government ..... | ..... | 7,904.30 | ..... | 2,430.00 | ..... |
| Totals..... | 7,143 | 24,475.52 | 30,494.83 | 19,056.82 | 42,562 70 |

TABLE 4
TOTAL LENGTH OF SEWERS

| | Miles |
|---|-----------|
| Common sewers and surface drains built previous to January 1, 1964 | 1,347.160 |
| Common sewers and surface drains built between January 1 and December 31, 1964 | 8.075 |
| Common sewers and surface drains built ending December 31, 1964 | 1,355.235 |
| Abandoned sewers ending December 31, 1964 | 0.630 |
| | 1,354.605 |
| City of Boston intercepting sewers connecting with Metropolitan sewers to December 31, 1964 | 0.0 |
| City of Boston main drainage intercepting sewers to December 1, 1964 | 0.0 |
| Grand total | 1,354.605 |

TABLE 5
CATCH BASINS IN CHARGE OF SEWER DIVISION

| DISTRICTS | Catch Basins for Twelve Months Ending December 31, 1964 | | | Total for Whole City in Charge of Sewer Division | |
|------------------------|---|-----------------------------|--------------|--|----------------------------------|
| | Number Built or Rebuilt | Number Abandoned or Removed | Net Increase | Previous Report thru December 31, 1963 | Grand Total to December 31, 1964 |
| City Proper | 5 | 0 | 5 | 3,798 | 3,803 |
| Roxbury | 19 | 0 | 19 | 3,592 | 3,611 |
| South Boston | 0 | 0 | 0 | 1,522 | 1,522 |
| East Boston | 0 | 0 | 0 | 1,237 | 1,237 |
| Charlestown | 0 | 0 | 0 | 871 | 871 |
| Brighton | 2 | 0 | 2 | 2,156 | 2,158 |
| West Roxbury | 66 | 0 | 66 | 4,790 | 4,856 |
| Dorchester | 4 | 0 | 4 | 5,804 | 5,808 |
| Hyde Park | 15 | 0 | 15 | 1,581 | 1,596 |
| Totals | 111 | 0 | 111 | 25,351 | 25,462 |

TABLE 6
MAINTENANCE STATISTICS

| | 1964 | 1963 | 1962 |
|--|-------|-------|-------|
| Complaints received and investigated..... | 6,480 | 3,235 | 2,891 |
| Catch basins and manholes freed and/or repaired..... | 308 | 1,042 | 2,403 |
| Sewers repaired..... | 29 | 34 | 36 |
| Sewers cleaned (miles)..... | 1.9 | 2.13 | 13.4 |
| House drains constructed/repared..... | 700 | 499 | 445 |
| Municipal liens reported to Collector..... | 5,461 | 5,202 | 4,903 |

TABLE 7
CALF PASTURE STATISTICS

| | 1964 | 1963 | 1962 |
|---------------------------------|-----------|-----------|-----------|
| Sewage pumped..... | 42,765 MG | 43,529 MG | 63,276 MG |
| Sewage pumped average flow..... | 117.16 MG | 119.26 MG | 173 MG |
| Pumping cost per MG..... | \$6.47 | \$5.28 | \$2.93 |

TABLE 2
SEWERAGE WORKS CONTRACTS, 1964

| LOCATION | Started | Finished | Contractor | Length in Feet | Character | Amount Expended in 1964 |
|------------------------------------|------------|-----------|-------------------------------------|----------------------|---------------------------------|-------------------------------|
| Broadway, Boston..... | 9-23-1963 | 4-3-1964 | E. Carriere | 69.00 | 12" pipe sewer..... | \$7,424 09 |
| Moore street, East Boston..... | | | | | | |
| Beaver street, Hyde Park..... | 11-04-1963 | 5-05-1964 | A. Musto | 330.50 | 10" pipe sewer..... | 10,390 20 |
| Stoughton street, Dorchester..... | | | | 504.20 | 10" pipe surface drain..... | |
| | | | | 98.50 | 10" minor drain..... | |
| | | | | | 3 manholes | |
| Beechmont street, Hyde Park..... | 11-26-1963 | 1-23-1964 | R. A. Buccella & Sons | 106.00 | 10" minor drain..... | 269 88 |
| Edgeway terrace, Hyde Park..... | | | | | | |
| Crestwood park, Roxbury..... | 3-16-1964 | 5-19-1964 | Mystic Construction Company Inc. | 1,029.61 | 10" pipe sewer..... | 38,890 53 |
| Humboldt avenue, Roxbury..... | | | | 513.53 | 10" pipe surface drain..... | |
| Townsend street, Roxbury..... | | | | 496.34 | 12" pipe surface drain..... | |
| | | | | | 13 manholes | |
| | | | | | 6 catch basins | |
| | | | | 70.00 | 10" minor drains | |
| St. Alphonsus street, Roxbury..... | 4-02-1964 | 4-24-1964 | R. A. Buccella & Sons | 474.90 | 10" pipe sewer..... | 14,873 99 |
| Tremont street, Roxbury..... | | | | | | |
| | | | | 74.30 | 12" pipe surface drain | |
| | | | | 77.80 | 15" surface drain | |
| | | | | 482.90 | 24" pipe surface drain | |
| | | | | | 6 manholes | |
| | | | | | 2 catch basins | |
| | | | | 27.00 | 10" minor drain | |
| Hancock street, Dorchester..... | 4-14-1964 | 5-22-1964 | R. A. Buccella & Sons | 627.80 | 12" pipe sewer..... | 78,854 40 |
| Pleasant street, Dorchester..... | | | | 67.40 | 10" pipe sewer | |
| Savin Hill avenue, Dorchester..... | | | | 687.70 | 12" pipe surface drain.. | |
| | | | | 1,599.70 | 18" and 12" pipe surface drain. | |
| | | | | 543.00 | 24" and 12" pipe surface drain | |
| | | | | 372.00 | 6" minor drain | |
| | | | | 126.00 | 10" minor drain | |
| | | | | | 19 manholes | |

SEWERAGE WORKS CONTRACTS, 1964—Continued

| LOCATION | Started | Finished | Contractor | Length in Feet | Character | Amount Expended in 1964 |
|--|-----------|------------|--------------------------------|--|--|-------------------------|
| Dalton street, Boston..... | 5-12-1964 | 1-08-1965 | Northgate Construction Company | 30.00 10.00 285.00 280.00 | 12" pipe sewer..... 15" pipe sewer..... 54" pipe sewer..... 60" pipe sewer..... 8 manholes..... 5 catch basins..... | \$359,673 00 |
| Chestnut Hill avenue, Brighton..... Western avenue, Brighton..... Wiltshire road, Brighton..... | 5-22-1964 | 6-22-1964 | Charles & Louis | 1,019.40 470.00 27.00 | 10" pipe sewer..... 12" pipe surface drain..... 10" minor drain..... 9 manholes..... 2 catch basins..... | 29,154 45 |
| Blue Ledge Drive, West Roxbury... Blue Ledge terrace, West Roxbury... Highest road, West Roxbury... Highest terrace, West Roxbury... June street, West Roxbury..... | 6-04-1964 | 8-28-1964 | Z & S Construction Company | 4,823.25 463.85 2,886.69 433.75 1,156.89 674.70 414.00 | 10" pipe sewer..... 12" and 10" pipe sewer..... 18" and 10" pipe surface drain..... 24" and 12" pipe surface drain..... 15" and 10" pipe surface drain..... 10" pipe surface drain..... 10" minor drain..... 45 manholes..... 34 catch basins..... | 159,939 91 |
| Woodley avenue, West Roxbury.... Blueview Circle, West Roxbury.... Blueview road, West Roxbury.... Cedercrest Circle, West Roxbury.... Cedercrest road, West Roxbury.... | 6-30-1964 | 11-14-1964 | Charles & Louis | 1,874.18 64.45 1,309.28 551.40 147.00 | 10" pipe sewer..... 18" pipe surface drain..... 10" pipe surface drain..... 21" pipe surface drain..... 10" minor drain..... 22 manholes..... 11 catch basins..... | 60,947 30 |
| Boylston street, West Roxbury..... | 8-18-1964 | 10-14-1964 | R. A. Buccella & Sons | 1,539.80 1,225.00 535.00 | 15" and 12" pipe sewer..... 24" pipe surface drain..... 10" minor drain..... 10 manholes..... 1 catch basin..... | 76,946 85 |

| | | | | | | |
|---|------------|------------|------------------------------|--------------------------------------|--|-------------|
| Readville street, Hyde Park..... Knight street, Hyde Park..... Private land, Hyde Park..... | 8-26-1964 | 11-10-1964 | Susi & DeSantis | 3,169.20 587.00 | 48" and 12" pipe surface drain. 10" and 6" minor drain 15 manholes 11 catch basins 2 drop inlets | 76,481.25 |
| Ashland street, Dorchester..... Craunmet street, West Roxbury..... Dedham street, Hyde Park..... Delore Circle, West Roxbury..... Evandale terrace, Dorchester..... Fernwood road, West Roxbury..... Fillis road, Hyde Park..... New Haven street, West Roxbury..... Yuletide street, Dorchester..... | 9-02-1964 | 10-23-1964 | Charles & Louis | 1,530.80 1,468.10 | 10" pipe sewer..... 10" pipe surface drain 19 manholes 13 catch basins | 45,730.60 |
| Manning street, West Roxbury..... Pleasant Valley Circle, West Roxbury..... | 9-15-1964 | 11-07-1964 | Rosindale Construction | 964.30 1,150.70 75.00 | 10" pipe sewer..... 10" pipe surface drain 10" minor drain 13 manholes 4 catch basins | 24,387.31 |
| Itasca street, Dorchester..... Schubert street, West Roxbury..... | 10-19-1964 | 12-07-1964 | R. A. Buccella & Sons | 174.40 179.00 966.70 180.50 | 10" pipe sewer..... 10" pipe surface drain 12" pipe surface drain 10" minor drain 6 manholes 8 catch basins | \$22,447.70 |
| First Village Outlet, West Roxbury..... George Wright Golf Course and Private land | 10-20-1964 | 11-16-1964 | R. A. Buccella & Sons | 278.00 244.22 | 12" pipe sewer..... 36" pipe surface drain 3 manholes | 18,232.74 |
| Charlene street, Roxbury..... Laurel street, Roxbury..... Humboldt avenue, Roxbury..... Sherman street, Roxbury..... Bower street, Roxbury..... | 10-20-1964 | Unfinished | Z. & S. Construction Company | 313.00 336.00 220.00 | 12" pipe sewer..... 24" pipe surface drain 10" minor drain 8 manholes 11 catch basins | 21,951.50 |
| Furbush road, West Roxbury..... | 11-16-1964 | 11-27-1964 | Charles & Lewis | 238.50 243.50 24.00 | 10" pipe sewer..... 10" pipe surface drain 10" minor drain 2 manholes 2 catch basins | 4,918.15 |

SEWERAGE WORKS CONTRACTS, 1964—Concluded

| LOCATION | Started | Finished | Contractor | Length in Feet | Character | Amount Expended in 1964 |
|------------------------------------|------------|------------|-----------------------------|---------------------------|--|-------------------------|
| Maple street, West Roxbury..... | 11-24-1964 | Unfinished | R. A. Buocella & Sons | 1,880.70 270.00 | 18" and 10" pipe surface drain... 10" minor drain 7 manholes 1 catch basin | \$37,940.00 |
| Tennis road, Dorchester..... | 6-15-1964 | 7-15-1964 | G. M. Real Estate Company | 136.40 101.50 30.00 | 10" pipe sewer. 10" pipe surface drain 10" minor drain 2 manholes 2 catch basins | |
| Hutchinson street, Dorchester..... | 9-28-1964 | 9-30-1964 | McCarthy | 125.00 | 10" pipe sewer 1 manhole | |
| Prospect Circle, Hyde Park..... | 11-23-1964 | 12-03-1964 | DeSantos & Pulgini, Inc. | 178.00 178.00 | 10" pipe sewer 10" pipe surface drain 2 manholes 2 catch basins | |
| Eldon street, West Roxbury..... | 10-26-1964 | 10-31-1964 | Alexander Homes | 26.00 72.70 71.70 | 10" minor drain 10" pipe sewer 10" pipe surface drain 1 manhole | |
| Soldiers Field road, Brighton..... | 10-13-1964 | 10-23-1964 | Bradley Real Estate Company | 233.20 233.20 | 10" pipe sewer 10" pipe surface drain 3 manholes | |
| Cambridge street, Boston..... | 9-24-1964 | 10-07-1964 | Beacon Construction Company | 117.00 | 15" pipe sewer (rebuild) 2 manholes | |
| Thorne street, Dorchester..... | 10-13-1964 | 10-27-1964 | E. Carriere | 239.10 244.40 | 10" pipe sewer 10" pipe surface drain 2 manholes | |
| Dalton street, Boston..... | 11-28-1963 | 1-29-1964 | Perini Corporation | 169.00 170.00 | 60" concrete pipe interceptor 43 1/2" x 68" elliptical conc. pipe | |
| Stearns road, West Roxbury..... | 1-20-1964 | 4-28-1964 | Finn McCarthy | 240.00 240.00 24.00 | 10" pipe sewer 10" pipe surface drain 10" minor drain 1 manhole 2 catch basins | |

APPENDIX G

WATER DIVISION

Table 1—Receipts and Expenditures

Table 2—Meters and Connection Pieces

Table 3—Meters Junked

Table 4—Meters Repaired in Shop

Table 5—Meters Repaired in Service

Table 6—Length of Waterpipes

Table 7—Number of Hydrants

Table 8—Cost of Replacement of Mains

Table 9—Cost of Extensions

TABLE 1
1964 WATER DIVISION
RECEIPTS AND EXPENDITURES

| | | |
|---|-----------------|-----------------|
| Appropriation carried forward from 1963 | | \$184,934 28 |
| Receipts: | | |
| Water Rates and Service | \$10,082,514 40 | |
| Tax Titles, Water | 118,656 29 | |
| | <hr/> | 10,201,170 69 |
| | | <hr/> |
| | | \$10,386,104 97 |
| Less 1963 Deficit | | 352,337 82 |
| | | <hr/> |
| | | \$10,033,767 15 |
| 1964 Expenditures: | | |
| Water Division | \$2,208,154 78 | |
| Department Equipment | 173,520 62 | |
| Pensions and Annuities | 294,600 02 | |
| Pensions, State-Boston | 78,636 49 | |
| Collection Division | 196,917 00 | |
| Data Processing | 80,499 00 | |
| Public Works — Maintenance . . | 214,023 00 | |
| Public Works — Administration and Engineering | 86,466 00 | |
| Public Works — Highway | 560,028 00 | |
| Metropolitan District Assessment . . | 5,315,843 64 | |
| | <hr/> | 9,208,688 55 |
| | | <hr/> |
| | | \$825,078 60 |
| Water Division carry forward to 1965 | \$151,341 03 | |
| Equipment carry forward to 1965 . | 94,496 81 | |
| | <hr/> | 245,837 84 |
| | | <hr/> |
| Surplus | | \$579,240 76 |

TABLE 2
METERS AND CONNECTION PIECES

| | |
|---|---------------|
| Number of meters in use December 31, 1964 on old services in use before January 1, 1908 | 50,899 |
| Number of meters in use December 31, 1964 on new services | 33,746 |
| Total meters (old and new services) in use December 31, 1964 | 84,645 |
| Connecting pieces in service December 31, 1964 | 5,851 |
| Total meters and connection pieces in service December 31, 1964 | 90,476 |
| Meters on old services December 31, 1964 | 55,579 |
| Meters permanently discontinued during 1964 | —1,171 |
| | 54,408 |
| Meters applied on old services during 1964 | +20 |
| Total meters on old services December 31, 1964 | 54,428 |
| Number of meters in use December 31, 1964 on services installed since 1907 | 33,029 |
| Balance of meters removed due to vacancy since 1964 | —40 |
| | 32,989 |
| Balance of meters replaced with connection pieces during 1964 | 3,097 |
| Meters applied on services (new) in 1964 | 37,086 |
| Total meters on new services December 31, 1964 | 37,086 |
| Number of connection pieces in use December 31, 1963 | 1,015 |
| Balance of meters replaced with connection pieces during 1964 | 2,064 |
| | 3,079 |
| Total connection pieces in service December 31, 1964 | 3,079 |
| | 90,476 |

TABLE 3
METERS JUNKED IN 1964

| MAKE | DIAMETER IN INCHES | | | | | | | Total |
|----------------|--------------------|---------------|-------|----------------|-------|-------|-------|-------|
| | $\frac{1}{8}$ | $\frac{1}{4}$ | 1 | $1\frac{1}{2}$ | 2 | 3 | 4 | |
| Hersey..... | 2,500 | ..... | ..... | ..... | ..... | ..... | ..... | 2,500 |
| Watch Dog..... | 228 | 26 | 10 | ..... | ..... | ..... | ..... | 264 |
| Total..... | 2,728 | 26 | 10 | ..... | ..... | ..... | ..... | 2,764 |

TABLE 4
METERS REPAIRED IN SHOP, 1964

| MAKE | DIAMETER IN INCHES | | | | | | | | Total |
|-------------|--------------------|---------------|----|----------------|----|---|---|---|-------|
| | $\frac{1}{8}$ | $\frac{1}{4}$ | 1 | $1\frac{1}{2}$ | 2 | 3 | 4 | 6 | |
| Hersey..... | 1,560 | 140 | 75 | 44 | 52 | 7 | 5 | 2 | 1,885 |

TABLE 5
METERS REPAIRED IN SERVICE

| | Defaced Broken Clocks | Spindle Leaks | Coupling Leaks | New Trains | Broken Gears | Exami- nation | Repair Train | Total |
|----------------|-----------------------------|------------------|-------------------|---------------|-----------------|------------------|-----------------|-------|
| January..... | ..... | 9 | 2 | ..... | ..... | ..... | ..... | 11 |
| February..... | 1 | 14 | 7 | 2 | ..... | ..... | ..... | 24 |
| March..... | 2 | 14 | 2 | 2 | ..... | ..... | ..... | 20 |
| April..... | 3 | 15 | 3 | ..... | ..... | ..... | ..... | 21 |
| May..... | 5 | 18 | 9 | 3 | ..... | ..... | ..... | 35 |
| June..... | 4 | 20 | 4 | 6 | ..... | ..... | ..... | 34 |
| July..... | 1 | 16 | 2 | 12 | ..... | ..... | ..... | 31 |
| August..... | ..... | 13 | 2 | 2 | ..... | ..... | ..... | 17 |
| September..... | 2 | 23 | 6 | ..... | ..... | ..... | 1 | 32 |
| October..... | 3 | 40 | 3 | ..... | 1 | ..... | ..... | 47 |
| November..... | ..... | 27 | ..... | ..... | ..... | ..... | ..... | 27 |
| December..... | 7 | ..... | 7 | ..... | 4 | ..... | 4 | 22 |
| Totals..... | 28 | 209 | 47 | 27 | 5 | ..... | 5 | 321 |

TABLE 6
Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division,
Water Services, and Number of Valves in Same, December 31, 1964

| | DIAMETER OF PIPE IN INCHES | | | | | | | | | | | | | | | Total |
|---|----------------------------|--------|-------|--------|--------|--------|---------|---------|-----------|---------|-----------|---------|--------|--------|-------|-----------|
| | 48 | 42 | 40 | 36 | 30 | 24 | 20 | 16 | 12 | 10 | 8 | 6 | 4 | 3 | 2 | |
| Length owned and operated December 31, 1963 | 56,285 | 16,191 | 8,809 | 30,238 | 75,205 | 89,675 | 108,193 | 381,010 | 1,872,924 | 445,617 | 1,434,834 | 896,611 | 63,156 | 11,345 | 6,311 | 5,496,404 |
| Gate valves in same..... | 26 | 4 | 5 | 31 | 50 | 78 | 72 | 790 | 5,290 | 1,565 | 5,159 | 3,063 | 561 | 16 | 18 | 16,728 |
| Air valves in same. | 60 | 5 | 10 | 35 | 113 | 85 | 53 | 105 | 65 | 1 | 5 | ..... | ..... | 1 | ..... | 538 |
| Blowoffs in same. | 11 | 5 | 6 | 11 | 33 | 37 | 52 | 77 | 166 | 40 | 203 | 141 | ..... | 9 | ..... | 791 |
| High pressure fire service..... | ..... | ..... | ..... | ..... | ..... | ..... | 20,140 | 46,433 | 31,756 | ..... | ..... | ..... | ..... | ..... | ..... | 98,329 |
| Length laid and relaid during 1964..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8,594 | ..... | 18,218 | 663 | 12 | ..... | ..... | 27,487 |
| Gate valves in same. .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 | ..... | 36 | 6 | 1 | ..... | ..... | 65 |
| Air valves in same..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Blowoffs in same..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Length abandoned in 1964..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 324 | 7,173 | ..... | ..... | ..... | 7,497 |
| Gates abandoned in 1964..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | 12 | ..... | ..... | ..... | 14 |
| Air valves abandoned in 1964..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Blowoffs abandoned in 1964..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Length owned and operated, high pressure fire service, Decem- ber 31, 1964..... | 56,285 | 16,191 | 8,809 | 30,238 | 75,205 | 89,675 | 108,193 | 381,010 | 1,881,518 | 445,617 | 1,452,728 | 890,101 | 63,168 | 11,345 | 6,311 | 5,516,394 |
| Gate valves in same..... | 26 | 4 | 5 | 31 | 50 | 78 | 72 | 790 | 5,310 | 1,565 | 5,195 | 3,057 | 562 | 16 | 18 | 16,779 |
| Air valves in same..... | 60 | 5 | 10 | 35 | 113 | 85 | 53 | 105 | 65 | 1 | 5 | ..... | ..... | 1 | ..... | 538 |
| Blowoffs in same..... | 11 | 5 | 6 | 11 | 33 | 37 | 52 | 77 | 166 | 40 | 203 | 141 | ..... | 9 | ..... | 791 |
| High pressure fire service..... | ..... | ..... | ..... | ..... | ..... | ..... | 20,140 | 46,433 | 31,756 | ..... | ..... | ..... | ..... | ..... | ..... | 98,329 |

1,044.71 miles in distribution system, including high pressure fire service.
18.62 miles in high pressure fire service.

TABLE 8
COST OF REPLACEMENT OF MAIN PIPE, 1964

| AREA | Dist- rict | STREET | SIZE (INCHES) | LENGTH (FEET) | CONTRACT Cost | ENGINEERING AND INSPECTION Costs | Total Cost | CONTRACTOR |
|------|---------------|-------------------------|------------------|------------------|------------------|---|---------------|------------------------------|
| 1 | 10 | Charlame street..... | 6 W 8 | 797 | ..... | ..... | ..... | ..... |
| 1 | 10 | Charlame street..... | 8 W 8 | 20 | \$7,228 60 | \$722 86 | \$7,951 46 | Z & S Construction Co., Inc. |
| 2 | 1 | Gardner street..... | 6 W 8 | 193 | 1,544 00 | 463 20 | 2,007 20 | A. Singarella & Sons, Inc. |
| 3 | 5 | K street..... | 10 W 10 | 5 | 100 00 | 30 00 | 130 00 | City Forces |
| 3 | 3 | Tuttle street..... | 6 W 8 | 1,169 | 16,923 40 | 1,692 34 | 18,615 74 | R. A. Buccella & Sons, Inc. |
| 3 | 3 | Harley street..... | 6 W 8 | 664 | 10,002 05 | 1,000 21 | 11,002 26 | R. A. Buccella & Sons, Inc. |
| 3 | 5 | East Third street..... | 6 W 8 | 1,142 | ..... | ..... | ..... | R. A. Buccella & Sons, Inc. |
| 3 | 5 | East Third street..... | 6 W 12 | 5 | 17,947 80 | 1,794 78 | 19,742 58 | R. A. Buccella & Sons, Inc. |
| 3 | 5 | Woodward street..... | 6 W 8 | 627 | 8,859 75 | 885 98 | 9,745 73 | R. A. Buccella & Sons, Inc. |
| 3 | 5 | Middle street..... | 6 W 8 | 836 | 12,368 20 | 1,236 82 | 13,605 02 | R. A. Buccella & Sons, Inc. |
| 3 | 5 | East Second street..... | 6 W 8 | 1,134 | ..... | ..... | ..... | R. A. Buccella & Sons, Inc. |
| 3 | 5 | East Second street..... | 6 W 12 | 10 | 17,999 60 | 1,799 96 | 19,799 56 | R. A. Buccella & Sons, Inc. |
| 3 | 5 | East Sixth street..... | 6 W 12 | 650 | 12,914 32 | 1,291 43 | 14,205 75 | R. A. Buccella & Sons, Inc. |
| | | Total..... | ..... | 7,252 | \$105,887 72 | \$73,917 58 | \$116,805 30 | |

TABLE 9
COST OF EXTENSION OF MAIN PIPE, 1964

| Area | District | Street | Size (Inches) | Length (Feet) | Contract Cost | Engineering and Inspection Costs | Total Cost | Contractor |
|------|----------|-------------------------------|------------------|------------------|------------------|--|---------------|---|
| 1 | 1 | Boylston street..... | 8 | 20 | — | — | — | City Forces |
| 1 | 10 | Crestwood park..... | 8 | 510 | \$6,941 18 | \$347 09 | \$7,288 27 | Mystic Contracting Co., Inc. |
| 1 | 9 | Lawn and Palermo avenues..... | 8 | 764 | 8,792 90 | 439 65 | 9,232 55 | Rosindale Contracting Co. |
| 1 | 10 | Charlame street..... | 8 | 340 | 4,514 50 | 425 73 | 4,940 23 | Z & S Construction Co., Inc. |
| 2 | 6 | Stearns road..... | 8 | 219 | 3,179 58 | 158 98 | 3,338 56 | Z & S Construction Co., Inc. |
| 2 | 6 | Blue Ledge terrace..... | 8 | 351 | 3,282 10 | 164 10 | 3,446 20 | {C. Justino Co. { Z & S Construction Co., Inc. |
| 2 | 6 | Blue Ledge Drive..... | 12 | 842 | — | — | — | |
| 2 | 6 | Blue Ledge Drive..... | 8 | 2,408 | 39,841 85 | 1,992 09 | 41,833 94 | {C. Justino Co. { Z & S Construction Co., Inc. |
| 2 | 6 | June street..... | 12 | 423 | 5,574 60 | 278 73 | 5,853 33 | {C. Justino Co. { Z & S Construction Co., Inc. |
| 2 | 6 | Higheest terrace..... | 8 | 436 | 3,907 30 | 195 37 | 4,102 67 | {C. Justino Co. { Z & S Construction Co., Inc. |
| 2 | 6 | Higheest road..... | 8 | 1,183 | 14,110 50 | 705 53 | 14,816 03 | {C. Justino Co. { Z & S Construction Co., Inc. |
| 2 | 6 | Cedarcrest Circle..... | 8 | 546 | 6,643 40 | 332 17 | 6,975 57 | Charles & Louis Construction Co., Inc. |
| 2 | 6 | Cedarcrest road..... | 12 | 404 | 7,497 30 | 374 87 | 7,872 17 | Charles & Louis Construction Co., Inc. |
| 2 | 6 | Blueview road..... | 12 | 551 | 10,790 20 | 539 51 | 11,329 71 | Charles & Louis Construction Co., Inc. |
| 2 | 6 | Vine street, etc..... | 12 | 1,384 | 17,364 80 | 868 24 | 18,233 04 | E. Susi & Williams Corp. |
| 2 | 8 | Imbaro road..... | 6 | 155 | 1,240 00 | 62 00 | 1,302 00 | R. A. Buccella & Sons, Inc. |
| 2 | 2 | Cataumet street..... | 8 | 226 | 2,270 50 | 113 53 | 2,384 03 | R. A. Buccella & Sons, Inc. |

| | | | | | | | | |
|---|----|------------------------------|----|--------|--------------|-------------|--------------|--|
| 2 | 8 | Hillis road..... | 6 | 240 | 2,422 10 | 121 11 | 2,543 21 | R. A. Buccella & Sons, Inc. |
| 2 | 6 | Delore Circle..... | 6 | 160 | 1,440 40 | 72 02 | 1,512 42 | R. A. Buccella & Sons, Inc. |
| 2 | 6 | New Haven street..... | 8 | 277 | 2,780 50 | 139 03 | 2,919 53 | R. A. Buccella & Sons, Inc. |
| 2 | 1 | Gardner Street Dump..... | 8 | 2,151 | — | — | — | |
| 2 | 1 | Gardner Street Dump..... | 4 | 11 | 19,270 80 | 963 54 | 20,234 34 | A. Singarella & Sons, Inc. |
| 2 | 2 | Manning street..... | 8 | 391 | 4,711 36 | 235 57 | 4,946 93 | Rosindale Contracting Co. |
| 2 | 6 | Beechmont Footway..... | 12 | 457 | — | 368 00 | 368 00 | James Paul Construction Co. (Paving Contract). |
| 2 | 6 | Eldon street..... | 8 | 101 | 1,038 25 | 51 91 | 1,090 16 | R. A. Buccella & Sons, Inc. |
| 2 | 8 | Thorn street..... | 8 | 250 | 2,521 00 | 126 05 | 2,647 05 | Charles & Louis Construction Co., Inc. |
| 2 | 6 | Pleasant Valley Circle..... | 8 | 547 | 6,615 00 | 330 75 | 6,945 75 | Rosindale Contracting Co. |
| 2 | 4 | Soldiers Field road..... | 8 | 698 | 6,657 80 | 332 89 | 6,990 69 | R. A. Buccella & Sons, Inc. |
| 2 | 6 | Schubert street..... | 8 | 183 | 1,943 35 | 97 17 | 2,040 52 | R. A. Buccella & Sons, Inc. |
| 2 | 6 | Furbush road..... | 8 | 257 | 3,331 05 | 166 55 | 3,497 60 | Charles & Louis Construction Co., Inc. |
| 2 | 6 | Blueview Circle..... | 8 | 339 | 7,732 40 | 386 62 | 8,119 02 | Charles & Louis Construction Co., Inc. |
| 2 | 8 | Alwin street..... | 12 | 161 | 2,398 30 | 119 92 | 2,518 22 | C. Justino Co. |
| 2 | 8 | Dedham Parkway..... | 12 | 973 | 21,936 50 | 1,096 83 | 23,033 33 | C. Justino Co. |
| 2 | 8 | Stony Brook Reservation..... | 12 | 2,684 | 52,976 00 | 2,648 80 | 55,624 80 | C. Justino Co. |
| 2 | 6 | Cedarcrest Lane..... | 12 | 334 | 5,418 80 | 270 94 | 5,689 74 | C. Justino Co. |
| 2 | 6 | Cedarcrest road..... | 12 | 381 | 6,532 50 | 326 62 | 6,859 12 | C. Justino Co. |
| 3 | 7 | Delhi street..... | 8 | 297 | 3,572 70 | 178 63 | 3,751 33 | R. A. Buccella & Sons, Inc. |
| 3 | 3 | Hutchinson street..... | 6 | 108 | 1,271 10 | 63 56 | 1,334 66 | R. A. Buccella & Sons, Inc. |
| 3 | 7 | Tennis road..... | 8 | 130 | 800 00 | 40 00 | 840 00 | J. Botti Co. (Agreement) |
| 1 | 10 | New Laurel street..... | 8 | 141 | 1,318 50 | 65 92 | 1,384 42 | Z & S Construction Co., Inc. |
| | | Totals..... | | 22,033 | \$292,639 12 | \$15,200 02 | \$307,839 14 | |

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